FEBRUARY-JUNE 1936 NUMBERS 300-310

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE ONE HUNDRED AND FORTY-SECOND SESSION

CATALOGUE ISSUE
1935-1936

Announcements for the Session
1936-1937

THE UNIVERSITY OF NORTH CAROLINA PRESS
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JUNE 25, 1936 NUMBER 310

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE GENERAL CATALOGUE

CATALOGUE ISSUE
1935-1936

Announcements for the Session
1936-1937

THE UNIVERSITY OF NORTH CAROLINA PRESS
CHAPEL HILL, N. C.

CALENDAR FOR 1936

JANUARY

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CALENDAR FOR 1937

JANUARY

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CATALOGUE OF EVENTS

SESSION, 1936-1937

1936	
June 7-9	*Sunday through Tuesday.* Commencement Exercises.
June 11-July 22	Summer Session, First Term.
July 23-August 29	Summer Session, Second Term.
Sept. 11-17	*Friday through Thursday.* Freshman Week and Registration.
Sept. 14	*Monday.* Entrance Examinations.
Sept. 14-15	*Monday and Tuesday.* Examinations to remove condition grades.
Sept. 16	*Wednesday.* Registration of Freshmen and Transferring Students for the fall quarter.
Sept. 17	*Thursday.* Registration (all except freshmen and transferring students) for the fall quarter.
Sept. 18	*Friday.* Class work for the fall quarter begins.
Oct. 2	*Friday.* General Meeting of Graduate Students and Faculty, 8 p. m., Smith Building. Last day for submitting applications for admission to candidacy for the Ph.D. degree at the June Commencement of 1937.
Oct. 12	*Monday.* University Day.
Nov. 2	*Monday.* Students desiring to take either or both of the examinations for reading knowledge of German and French (or examinations in other languages) should register in the Graduate Office by this date.
Nov. 14	*Saturday.* The examination for reading knowledge of German for candidates for higher degrees will be held at 9:30 a.m. in Saunders 109.
Nov. 21	*Saturday.* The examination for reading knowledge of French for candidates for higher degrees will be held at 9:30 a.m. in Murphey 314.
Nov. 25	*Wednesday.* Thanksgiving Recess begins (1:00 p.m.).
Nov. 30	*Monday.* Thanksgiving Recess ends (8:30 a.m.).
Dec. 10-19	*Thursday to 1 p.m. Saturday of following week.* Registration for winter quarter.
Dec. 15-19	*Tuesday through Saturday (1.00 p.m.)* Examinations for the fall quarter.
Dec. 19 (afternoon)-Jan. 1, 1937	Christmas Recess
1937	
Jan. 2	*Saturday.* Registration of new students.
Jan. 4	*Monday.* Class work for the winter quarter begins.
Jan. 11	*Monday.* Last day of submitting applications for admission to candidacy for the master's degree at the June Commencement of 1937.

Mar. 5-13	*Friday to 1:00 p.m. Saturday of following week.* Registration for the spring quarter.
Mar. 9-13	*Tuesday through Saturday (1:00 p.m.).* Examinations for the winter quarter.
Mar. 15	*Monday.* Registration of new students.
Mar. 16	*Tuesday.* Class work for the spring quarter begins.
Mar. 17	*Wednesday.* Students desiring to take either or both examinations for reading knowledge of German and French (or examinations in other languages) should register in the Graduate Office by this date.
Mar. 27	*Saturday.* The examination for reading knowledge of German for candidates for higher degrees will be held at 9:30 a.m. in Saunders 109.
April 3	*Saturday.* The examination for reading knowledge of French for candidates for higher degrees will be held at 9:30 a.m. in Murphey 314. Last day for submitting applications for admission to candidacy for the master's degree at the August Commencement of 1937.
April 11-18	*Sunday through Sunday.* Spring Recess.
April 24	*Saturday.* Last day for submitting doctoral dissertations.
May 1	*Saturday.* Written examinations for the Ph.D. degree may not be taken after this date. Last day for submitting theses for the master's degree.
May 8	*Saturday.* Written examinations for the master's degree may not be taken after this date.
May 31-June 4	*Monday through Friday.* Examinations for the spring quarter.
June 6-8	*Sunday through Tuesday.* Commencement Exercises.

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PART ONE—OFFICERS

TRUSTEES

JOHN CHRISTOPH BLUCHER EHRINGHAUS, Governor, President *ex officio* of the Board of Trustees.

CLYDE ATKINSON ERWIN, Superintendent of Public Instruction, member *ex officio* of the Board of Trustees.

HENRY MAUGER LONDON, Secretary of the Board.

THE BOARD OF TRUSTEES

†1937

John Will Aiken	Catawba
John Day Beatty, Jr.	Bladen
John Leland Becton	New Hanover
Marvin Key Blount	Pitt
Thomas Contee Bowie	Ashe
John W. Clark	Randolph
Finley Hezekiah Coffey	Caldwell
Mrs. Laura Weill Cone	Guilford
Henry Groves Connor, Jr.	Wilson
William Reid Dalton	Rockingham
Isaac Peter Davis	Dare
Raymond Rowe Eagle	Craven
Alonzo Dillard Folger	Surry
Mrs. Edwin Clarke Gregory	Rowan
John Sprunt Hill	Durham
Mrs. Daisy Hanes Lassiter	Mecklenburg
Henry Mauger London	Wake
Charles Edward Maddry	Richmond, Va.
Josiah Thomas Mangum	Guilford
George Bason Mason	Gaston
Edwin Pate	Scotland
Charles Walter Tillett, Jr.	Mecklenburg
George Robert Ward	Duplin
Leslie Weil	Wayne
Francis Donnell Winston	Bertie

†1939

Mrs. Kate P. Arrington	Warren
W. D. Bateman	Wilson
Commodore Thomas Council	Durham
Burton Craige	Forsyth

†The legal term of office expires April 1st of the year indicated.

JOHN GILMER DAWSON	Lenoir
FRANK LEMUEL DUNLAP	Anson
JOSEPH MCDOWELL GAMEWELL	Davidson
OLIVER MAX GARDNER	Washington, D. C.
ALEXANDER HAWKINS GRAHAM	Orange
HARRY PERCY GRIER, JR	Iredell
LUTHER THOMPSON HARTSELL	Cabarrus
JOHN WETMORE HINSDALE	Wake
GEORGE LAFAYETTE LYERLY	Catawba
ISAAC MELSON MEEKINS	Pasquotank
WILLIAM DANIEL MERRITT	Person
WALTER MURPHY	Rowan
HAYWOOD PARKER	Buncombe
HENRY MOORING ROBINS	Randolph
REUBEN B. ROBERTSON	Haywood
PETER BROWN RUFFIN	New Hanover
GEORGE STEPHENS	Buncombe
FRED ISLER SUTTON	Lenoir
CHARLES WHEDBEE	Perquimans
WILLIAM COLEMAN WOODARD	Nash
WILLLIM H. WOOLARD	Pitt

†1941

*SYDNEY BENONI ALEXANDER	Mecklenburg
MISS ANNIE MOORE CHERRY	Halifax
HAYDEN CLEMENT	Rowan
JOSEPHUS DANIELS	Wake
C. C. EFIRD	Stanly
REUBEN OSCAR EVERETT	Durham
WILLIAM D. FAUCETTE	Norfolk, Va.
JONES FULLER	Durham
RICHARD TILLMAN FOUNTAIN	Edgecombe
JAMES ALEXANDER GRAY	Forsyth
JUNIUS DANIEL GRIMES	Beaufort
WILLIAM TUCKER HANNAH	Haywood
R. L. HARRIS	Person
ROBERT EUGENE LITTLE	Anson
*ANGUS WILTON MCLEAN	Robeson
MRS. LILY C. MOREHEAD MEBANE	Rockingham
CAMERON MORRISON	Mecklenburg
HARRISS NEWMAN	New Hanover
CLARENCE POE	Wake
MISS EASDALE SHAW	Richmond
JAMES FRANKLIN SPRUILL	Davidson
MRS. MAY LOVELACE TOMLINSON	Guilford

† The legal term of office expires April 1st of the year indicated. * Deceased.

IRVIN BURCHARD TUCKER.....Columbus
JOHN KENYON WILSON.....Pasquotank
GRAHAM WOODARD.....Wilson

†1943

ALEXANDER BOYD ANDREWS.....Wake
DUDLEY BAGLEY.....Currituck
WALTER DORSEY BARBEE.....Northampton
KEMP DAVIS BATTLE.....Nash
JAMES ALBERT BRIDGER.....Bladen
MRS. MINNIE MCIVER BROWN.....Columbus
CHARLES F. CATES.....Alamance
RICHARD THURMOND CHATHAM.....Forsyth
WILLIAM GRIMES CLARK.....Edgecombe
ARTHUR MILLS DIXON.....Gaston
RUFUS ALEXANDER DOUGHTON.....Alleghany
T. C. HOYLES.....Guilford
ROBERT GRADY JOHNSON.....Pender
A. HALL JOHNSTON.....Buncombe
CHARLES ANDREW JONAS.....Lincoln
KEMP PLUMMER LEWIS.....Durham
ARTHUR HILL LONDON.....Chatham
MRS. E. L. MCKEE.....Jackson
JAMES EDWARD MILLIS.....Guilford
ANDREW L. MONROE.....Wake
KEMP PLUMMER NIXON.....Lincoln
JOHN JOHNSTON PARKER.....Mecklenburg
RICHARD JOSHUA REYNOLDS.....Forsyth
MISS LELIA STYRON.....Craven
SAMUEL FARRIS TEAGUE.....Wayne

EXECUTIVE COMMITTEE OF THE TRUSTEES

JOHN CHRISTOPH BLUCHER EHRINGHAUS, *ex officio* Chairman
HENRY MAUGER LONDON, *ex officio* Secretary
‡1936: JOSEPHUS DANIELS, CLARENCE POE, IRVING B. TUCKER.
‡1938: CHARLES WHEDBEE, WILLIAM D. FAUCETTE, LESLIE WEIL.
‡1940: JOHN SPRUNT HILL, WALTER MURPHY, JOHN J. PARKER.
‡1942: MRS. LAURA WEILL CONE, MISS EASDALE SHAW, HAYWOOD PARKER.

†The legal term of office expires April 1st of the year indicated.
‡ Term expires.

OFFICERS OF ADMINISTRATION

THE CONSOLIDATED UNIVERSITY

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President.*
Charles Thomas Woollen, *Controller.*

THE ADMINISTRATIVE COUNCIL

Dean Robert Burton House
Dean Allan Wilson Hobbs
Dean Maurice Taylor VanHecke
Dean William Whatley Pierson
Dr. William de Berniere MacNider
Dean John William Harrelson
Dr. Robert Franklin Poole
Professor Hilbert Adam Fisher
Dean Benjamin Franklin Brown
Dr. Zeno Payne Metcalf
Dean Walter Clinton Jackson
Dr. Benjamin Burke Kendrick
Dr. Helen Barton
Professor Harriet Wiseman Elliott
Professor Ruth Fitzgerald

THE UNIVERSITY OF NORTH CAROLINA

Robert Burton House, A.M., *Dean of Administration.*
Livingston Bertram Rogerson, *Assistant Controller.*
Allan Wilson Hobbs, Ph.D., *Chairman* pro tempore *of the Faculty.*
Thomas James Wilson, Jr., Ph.D., *Dean of Admissions, Registrar, and Secretary of the Faculty.*
Robert Bingham Downs, M.S., *Librarian.*
Francis Foster Bradshaw, Ph.D., *Dean of Students.*
Mrs. Marvin Hendrix Stacy, *Adviser to Women.*
Robert Allison Fetzer, B.S., M.A., *Director of Athletics.*
Julius Algeron Warren, *Treasurer and Bursar.*
Ben Husbands, A.B., *Associate Registrar.*
George Kenneth Grant Henry, Ph.D., *Assistant Registrar.*
Matt Lee Thompson, S.B.Comm., *Auditor.*
Walter Reece Berryhill, A.B., M.D., *University Physician.*
Edward McGowan Hedgpeth, A.B., M.D., *Assistant University Physician.*

THE COLLEGE AND THE SCHOOLS

Allan Wilson Hobbs, *Dean of the College of Arts and Sciences.*
William Whatley Pierson, Ph.D., *Dean of the Graduate School.*
Maurice Taylor VanHecke, J.D., *Dean of the School of Law.*
Charles Staples Mangum, A.B., M.D., *Dean of the School of Medicine.*
John Grover Beard, Ph.G., Ph.M., *Dean of the School of Pharmacy.*

*Herman Glenn Baity, Sc.D., *Dean of the School of Engineering.*
Dudley DeWitt Carroll, M.A., *Dean of the School of Commerce.*
Howard Washington Odum, Ph.D., LL.D., Litt.D., *Dean of the School of Public Administration.*
Corydon Perry Spruill, Jr., A.B., B.Litt. (Oxon.), *Dean of the General College.*
Susan Grey Akers, Ph.D., *Director of the School of Library Science.*

THE EXTENSION DIVISION

Russell Marvin Grumman, B.H., *Director.*
Edgar Ralph Rankin, A.M., *Head, Department of School Relations.*
William John McKee, C.E., Ph.D., *Head, Department of In-Service Teacher Training.*

THE GYMNASIUM

Robert Baker Lawson, M.D., *Director.*
James Acra Hackney, Jr., *Secretary.*
Emery Elisha Raper, *Assistant.*

PHYSICAL EDUCATION FOR MEN

Oliver Kelly Cornwell, M. A., *Director*

PHYSICAL EDUCATION FOR WOMEN

Gladys Angel Beard, M.A., *Director.*

THE INFIRMARY

Walter Reece Berryhill, A.B., M.D., *University Physician.*
Edward McGowan Hedgpeth, A.M., M.D., *Assistant University Physician.*
Fay Choate, *Registered Nurse.*
Margaret McKee, *Registered Nurse.*
Carter Riddle, *Registered Nurse.*
Ruth Barnes, *Technician.*

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

Harry Fulcher Comer, M.A., *General Secretary.*
Edwin Sidney Lanier, *Self-Help Secretary.*

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* Absent on leave 1935-1936 in Federal Administrative Work; his place is supplied by Professor William Jasper Miller as Acting-Dean.

OFFICERS OF INSTRUCTION (1935-1936)

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
A.B., 1909 (North Carolina); M.A., 1916 (Columbia); LL.D. (Birmingham-Southern, Davidson, Duke); D.C.L. (Catawba); D.Litt. (Columbia).

ROBERT BURTON HOUSE, A.M., *Dean of Administration.*
A.B., 1916 (North Carolina); A.M., 1917 (Harvard).

HENRY HORACE WILLIAMS, A.M., B.D., *Kenan Professor of Philosophy.*
A.B., A.M., 1883 (North Carolina); B.D., 1888 (Yale).

HENRY VANPETERS WILSON, Ph.D., *Kenan Professor of Zoölogy.*
A.B., 1883, Ph.D., 1888 (Johns Hopkins).

CHARLES STAPLES MANGUM, A.B., M.D., *Professor of Anatomy and Dean of the School of Medicine.*
A.B., 1891 (North Carolina); M.D., 1894 (Jefferson Medical College).

MARCUS CICERO STEPHENS NOBLE, Pd.D., *Kenan Professor Emeritus of Pedagogy.*
Student, 1875-1876 (Davidson); Student, 1877-1879 (North Carolina); Pd.D. (Davidson).

ISAAC HALL MANNING, M.D., *Professor of Physiology.*
Student, 1882-1886 (North Carolina); M.D., 1897 (Long Island College of Medicine).

*GEORGE HOWE, Ph.D., *Professor of the Latin Language and Literature.*
A.B., 1897 (Princeton); A.M., Ph.D., 1903 (Halle).

**NATHAN WILSON WALKER, A.B., Ed.M., *Professor of Secondary Education.*
A.B., 1903 (North Carolina); Ed.M., 1921 (Harvard).

WILLIAM DEBERNIERE MACNIDER, M.D., Sc.D., LL.D., *Kenan Research Professor of Pharmacology.*
M.D., 1903 (North Carolina); Sc.D., (Medical Coll. of Va.); LL.D. (Davidson).

WILLIAM CHAMBERS COKER, Ph.D., LL.D., *Kenan Professor of Botany.*
B.S., 1894 (South Carolina); Ph.D., 1901 (Johns Hopkins); LL.D. (South Carolina).

ARCHIBALD HENDERSON, Ph.D., D.C.L., LL.D., Litt.D., *Kenan Professor of Mathematics.*
A.B., 1898, A.M., 1899, Ph.D., 1902 (North Carolina); Ph.D., 1915 (Chicago); D.C.L., (University of the South); LL.D. (Tulane, William and Mary); Litt.D., (Oglethorpe, Catawba).

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*Absent on leave, 1935-1936, on the Kenan Foundation; died June 22, 1936.
**Absent on leave, 1935-1936, on the Kenan Foundation; died February 13, 1936.

*Joseph Gregoire deRoulhac Hamilton, Ph.D., *Kenan Professor of American History and Government.*
M.A., 1900 (University of the South); Ph.D., 1906 (Columbia).

Henry McGilbert Wagstaff, Ph.D., *Professor of History.*
Ph.B., 1899 (North Carolina); Ph.D., 1906 (Johns Hopkins).

William Morton Dey, Ph.D., *Kenan Professor of the Romance Languages and Literatures.*
B.A., M.A., 1902 (Virginia); A.M., 1904, Ph.D., 1906 (Harvard).

Atwell Campbell McIntosh, A.M., LL.D., *Kenan Professor Emeritus of Law.*
A.B., 1881, A.M., 1887, LL.D., (Davidson).

**Alvin Sawer Wheeler, Ph.D., *Professor of Organic Chemistry.*
A.B., 1890 (Beloit); A.M., 1897, Ph.D., 1900 (Harvard).

James Bell Bullitt, A.M., M.D., *Professor of Pathology.*
A.B., 1894, A.M., 1895 (Washington and Lee); M.D., 1897 (Virginia).

Thomas James Wilson, Jr., Ph.D., *Dean of Admissions, Registrar, and Secretary of the Faculty.*
A.B., 1894, A.M., 1896, Ph.D., 1898 (North Carolina).

Dudley deWitt Carroll, M.A., *Professor of Economics and Dean of the School of Commerce.*
A.B., 1907 (Guilford); A.B. 1908 (Haverford); M.A., 1915 (Columbia).

Frederick Henry Koch, A.M., Litt.D., *Kenan Professor of Dramatic Literature.*
A.B., 1900 (Ohio Wesleyan); A.M., 1909 (Harvard); Litt.D. (North Dakota).

John Grover Beard, Ph.G., Ph.M., *Professor of Materia Medica and Dean of the School of Pharmacy.*
Ph.G., 1909 (North Carolina); Ph.M., (Philadelphia College of Pharmacy).

John Emery Lear, E.E., *Professor of Electrical Engineering.*
B.S. in E.E., 1901 (Virginia Polytechnic); E.E., 1909 (Texas Agricultural and Mechanical).

Edgar Wallace Knight, Ph.D., *Kenan Professor of Education and Director of the Summer Sessions of the Consolidated University.*
A.B., 1909, A.M., 1911 (Trinity); Ph.D., 1913 (Columbia).

William Frederick Prouty, Ph.D., *Professor of Stratigraphic Geology.*
B.S., 1903, M.S., 1904 (Syracuse); Ph.D., 1906 (Johns Hopkins).

Howard Washington Odum, Ph.D., LL.D., Litt.D., *Kenan Professor of Sociology and Dean of the School of Public Administration.*
A.B., 1904 (Emory); A.M., 1906 (Mississippi); Ph.D., 1909 (Clark); Ph.D., 1910 (Columbia); LL.D. (Emory); Litt.D. (College of the Ozarks).

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* Absent on leave, 1935-1936.

** Absent on leave, 1935-1936, on the Kenan Foundation.

WILLIAM STANLEY BERNARD, A.M., *Professor of Greek.*
A.B., 1900, A.M., 1904 (North Carolina).

JOHN MANNING BOOKER, Ph.D., *Professor of English.*
A.B., 1901 (Johns Hopkins); Ph.D., 1912 (Heidelberg).

THOMAS FELIX HICKERSON, A.M., S.B., *Professor of Structural Engineering.*
Ph.B., 1904, A.M., 1907 (North Carolina); S.B., 1909 (Massachusetts Institute of Technology).

WILLIAM WHATLEY PIERSON, Ph.D., *Professor of History and Political Science and Dean of the Graduate School.*
A.B., 1910, A.M., 1911 (Alabama); A.M., 1912, Ph.D., 1916 (Columbia).

JOHN FREDERICK DASHIELL, Ph.D., *Kenan Professor of Psychology.*
B.S., 1908, B.L., 1909 (Evansville); A.M., 1910, Ph.D., 1913 (Columbia).

FRANCIS FOSTER BRADSHAW, Ph.D., *Dean of Students and Lecturer in Ethics.*
A.B., 1916 (North Carolina); M.A., 1926, Ph.D., 1930 (Columbia).

STURGIS ELLENO LEAVITT, Ph.D., *Professor of Spanish.*
A.B., 1908 (Bowdoin); A.M., 1913, Ph.D., 1917 (Harvard).

KENT JAMES BROWN, Ph.D., *Professor of German.*
A.B., 1901 (Dickinson); Ph.D., 1905 (Pennsylvania).

*CLAUDIUS TEMPLE MURCHISON, Ph.D., *Professor of Applied Economics.*
A.B., 1911 (Wake Forest); Ph.D., 1919 (Columbia).

ROBERT ERVIN COKER, Ph.D., *Professor of Zoölogy.*
S.B., 1896, A. M., 1897 (North Carolina); Ph.D., 1906 (Johns Hopkins).

**MARION REX TRABUE, Ph.D., *Professor of Educational Administration and Director of the Division of Education of the Consolidated University.*
A.B., 1911 (Northwestern); M.A., 1914, Ph.D., 1915 (Columbia).

GEORGE MCFARLAND MCKIE, A.M., *Professor of Public Speaking.*
Graduate, 1898 (Emerson College of Oratory); A.B., A.M., 1907 (North Carolina).

EARLE EWART PEACOCK, A.B., M.B.A., C.P.A., *Professor of Accounting.*
A.B., 1914 (Georgia); M.B.A., 1916 (Harvard); C.P.A., State of North Carolina.

HARRY WOLVEN CRANE, Ph.D., *Professor of Psychology.*
A.B., 1909, A.M., 1910, Ph.D., (Michigan).

ARTHUR MELVILLE JORDAN, Ph.D., *Professor of Educational Psychology.*
A.B., 1907 (Randolph-Macon); A.M., 1909 (Trinity); Ph.D., 1919 (Columbia).

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* Absent on leave, 1935-1936.

** Absent on leave, winter and spring quarters, 1936.

John Wayne Lasley, Jr., Ph.D., *Professor of Pure Mathematics.*
A. B., 1910, A.M., 1911 (North Carolina); Ph.D., 1920 (Chicago).

Allan Wilson Hobbs, Ph.D., *Professor of Applied Mathematics and Dean of the College of Arts and Sciences.*
A.B., 1907 (Guilford); A.B., 1908 (Haverford); Ph.D., 1917 (Johns Hopkins).

*Wesley Critz George, Ph.D., *Professor of Histology and Embryology.*
A.B., 1911, A.M., 1912, Ph.D., 1918 (North Carolina).

Otto Stuhlman, Jr., Ph.D., *Professor of Physics.*
B.A., 1907 (Cincinnati); M.A., 1909 (Illinois); Ph. D., 1911 (Princeton).

Gustave Adolphus Harrer, Ph.D., *Kenan Professor of Latin.*
A.B., 1910, Ph.D., 1913 (Princeton).

Erich Walter Zimmermann, Ph.D., *Kenan Professor of Economics.*
Student, 1903-1907 (Düsseldorf); Ph.D., 1911 (Bonn).

Robert Hasley Wettach, A.M., LL.B., S.J.D., *Professor of Law.*
A.B., 1913, A.M., 1914, LL.B., 1917 (Pittsburgh); S.J.D., 921 (Harvard).

George Coffin Taylor, Ph.D., *Kenan Professor of English.*
A.B., 1897 (South Carolina); A.M., 1899 (Harvard); Ph.D., 1906 (Chicago).

Oscar Jackson Coffin, A.B., *Professor of Journalism.*
A.B., 1909 (North Carolina).

William John McKee, C.E., Ph.D., *Professor of Education in Extension Teaching.*
C.E., 1909 (Cornell); M.A., 1919, Ph.D., 1930 (Columbia).

Edward James Woodhouse, B.A., LL.B., *Professor of Political Science and Public Administration.*
B.A., 1903 (Randolph-Macon); LL.B., 1907 (Virginia).

Elmer George Hoefer, M.E., *Professor of Mechanical Engineering.*
B.S., in M.E., 1905, M.E., 1915 (Wisconsin).

**William Flint Thrall, Ph.D., *Professor of English.*
B.S., 1901, A.M., 1902 (McKendree); A.M., 1915, Ph.D., 1920 (Chicago).

†Albert Coates, A.B., LL.B., *Professor of Law.*
A.B., 1918 (North Carolina); LL.B., 1923 (Harvard).

*Urban Tigner Holmes, Jr., Ph.D., *Professor of Romance Philology.*
A.B., 1920 (Pennsylvania); A.M., 1921, Ph.D., 1923, (Harvard).

Mitchell Bennett Garrett, Ph.D., *Professor of Modern European History.*
A.B., 1900, A.M., 1903 (Howard); Ph.D., 1910 (Cornell).

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* Absent on leave, fall and winter quarters, 1935-1936.
** Not in residence, winter, 1936.
† Absent on leave, first semester, 1935-1936.

MILLARD BRECKENRIDGE, Ph.B., LL.B., *Professor of Law.*
Ph.B., 1917 (Chicago); LL.B., 1918 (Yale).

FRANK KENNETH CAMERON, Ph.D., *Professor of Chemistry.*
A.B., 1891, Ph.D., 1894 (Johns Hopkins).

ERNEST RUTHERFORD GROVES, A.B., B.D., *Research Professor of Sociology.*
A.B., 1903 (Dartmouth); B.D., 1907 (Yale).

HAROLD DIEDRICH MEYER, A.M., *Professor of Sociology and Supervisor of Field Work.*
A.B., 1912, A.M., 1916 (Georgia).

ENGLISH BAGBY, Ph.D., *Professor of Psychology.*
A.B., 1913, A.M., 1914 (Princeton); Ph.D., 1918 (Johns Hopkins).

WALLACE EVERETT CALDWELL, Ph.D., *Professor of Ancient History.*
A.B., 1910 (Cornell); Ph.D., 1919 (Columbia).

MAURICE TAYLOR VAN HECKE, Ph.B., J.D., *Professor of Law and Dean of the School of Law.*
Ph.B., 1916, J.D., 1917 (Chicago).

HENRY ROLAND TOTTEN, Ph.D., *Professor of Botany and Adviser to Freshmen.*
A.B., 1913, A.M., 1914, Ph.D., 1923 (North Carolina).

*HERMAN GLENN BAITY, Sc.D., *Professor of Sanitary and Municipal Engineering and Dean of the School of Engineering.*
A.B., 1917, S.B. in C.E., 1922 (North Carolina); M.S., 1925, Sc.D., 1928 (Harvard).

JAMES PENROSE HARLAND, Ph.D., *Professor of Archaeology.*
A.B., 1913, Ph.D., 1920 (Princeton).

RICHARD JUNIUS MENDENHALL HOBBS, A.B., LL.B., *Professor of Business Law.*
A.B., 1909 (Guilford); A.B., 1911 (Harvard); LL.B., 1914 (Columbia).

KARL HARTLEY FUSSLER, Ph.D., *Professor of Physics.*
A.B., 1909 (Indiana); Ph.D., 1916 (Pennsylvania).

GEORGE RALEIGH COFFMAN, Ph.D., *Kenan Professor of English.*
A.B., 1903 (Drake); A.M., 1909 (Harvard); Ph.D., 1913 (Chicago).

JAMES TALMADGE DOBBINS, Ph.D., *Professor of Chemistry.*
A.B., 1911, A.M., 1912, Ph.D., 1914 (North Carolina).

**SAMUEL HUNTINGTON HOBBS, Ph.D., *Professor of Rural Social Economics.*
A.B., 1916, A.M., 1917 (North Carolina); Ph.D., 1929 (Wisconsin).

DANIEL ALLAN MACPHERSON, Ph.D., *Professor of Bacteriology.*
Ph.B., 1919, Sc.M., 1920 (Brown); Ph.D., 1929 (Chicago).

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* Absent on leave, 1935-1936, on Federal Administrative Work.
** Absent on leave, spring quarter, 1936.

John Brooks Woosley, Ph.D., *Professor of Economics.*
A.B., 1912 (Guilford); A.B., 1913; A.M., 1914 (Haverford); Ph.D., 1931 (Chicago).

Nicholson Barney Adams, Ph.D., *Professor of Spanish.*
A.B., 1915 (Washington and Lee); M.A., 1920, Ph.D., 1922 (Columbia).

*Loren Carey MacKinney, Ph.D., *Professor of Medieval History.*
A.B., 1913 (Lawrence); A.M., 1916 (Wisconsin); Ph.D., 1925 (Chicago).

George Howard, Ph.D., *Professor of Education in Extension Teaching.*
A.B., 1912 (Davidson); A.M., 1922, Ph.D., 1924 (Columbia).

Henry Matthew Burlage, Ph.D., *Professor of Pharmacy.*
A.B., 1919 (Indiana); A.M., 1921 (Harvard); Ph.G., B.S., in Pharm., 1924 (Purdue); Ph.D., 1927 (Washington).

William Jasper Miller, E.E., S.M.E.E., *Professor of Electrical Engineering and †Acting-Dean of the School of Engineering.*
E.E., 1915 (Texas); S.M.E.E., 1922 (Mass. Institute of Technology).

Howard Russell Huse, Ph.D., *Professor of Romance Languages.*
Ph.B., 1913, Ph.D., 1930 (Chicago).

Corydon Perry Spruill, Jr., A.B., B.Litt. (Oxon.), *Professor of Economics and Dean of the General College.*
A.B., 1920 (North Carolina); B.Litt., 1922 (Oxford).

Edward Tankard Browne, Ph.D., *Professor of Mathematics.*
B.A., 1915, M.A., 1917 (Virginia); Ph.D., 1926 (Chicago).

Gustav Theodor Schwenning, Ph.D., *Professor of Business Administration.*
B.H., 1920 (Springfield); M.A., 1921, Ph.D., 1925 (Clark).

Gregory Lansing Paine, Ph.D., *Professor of English.*
Ph.B., 1914, A.M., 1920, Ph.D., 1924 (Chicago).

John Nathaniel Couch, Ph.D., *Professor of Botany.*
A.B., 1919, A.M., 1922, Ph.D., 1924 (North Carolina).

Susan Grey Akers, Ph.D., *Professor of Library Science and Director of the School of Library Science.*
A.B., 1909 (Kentucky); Ph.D., 1932 (Chicago).

**Thomas Jackson Woofter, Jr., *Research Professor in the Institute for Research in Social Science.*
A.B., 1912 (Georgia); Ph.D., 1920 (Columbia).

**Clarence Heer, Ph.D., *Research Professor of Economics.*
A.B., 1914 (Rochester); Ph.D., 1926 (Columbia).

Ernest Lloyd Mackie, Ph.D., *Professor of Mathematics and Adviser to Freshmen.*
A.B., 1917 (North Carolina); A.M., 1920 (Harvard); Ph.D., 1927 (Chicago).

* Absent on leave, winter and spring quarters, 1936, on the Kenan Foundation.
† During absence of Dean Baity.
** Absent on leave, 1935-1936.

FREDERICK BAYS MCCALL, A.B., LL.B., *Professor of Law.*
A.B., 1915 (North Carolina); LL.B., 1928 (Yale).

HARRY DEMERLE WOLF, Ph.D., *Professor of Economics.*
B.S., 1922 (Kansas State Teachers College); A.M., 1923, Ph.D., 1926 (Chicago).

EARL KEITH PLYLER, Ph.D., *Professor of Physics.*
B.A., 1917, M.A., 1918 (Furman); M.A., 1923 (Johns Hopkins); Ph.D., 1924 (Cornell).

ROBERT BINGHAM DOWNS, M.S., *Professor of Library Science and University Librarian.*
A.B., 1926 (North Carolina); B.S., 1927, M.S., 1929 (Columbia University School of Library Science).

ARTHUR EDWARD RUARK, Ph.D., *Kenan Professor of Physics.*
A.B., 1921, A.M., 1923, Ph.D., 1924 (Johns Hopkins University).

GLEN HAYDON, Ph.D., *Professor of Music.*
A.B., 1918, M.A., 1921 (California); Ph.D., 1932 (Vienna).

ARTHUR PALMER HUDSON, Ph.D., *Professor of English.*
B.S., 1913, M.A., 1920 (Mississippi); M.A., 1925 (Chicago); Ph.D., 1930 (North Carolina).

JOHN CORIDEN LYONS, Ph.D., *Professor of French.*
B.S., 1920, M.A., 1921 (William and Mary); Ph.D., 1927 (North Carolina).

ALBERT RAY NEWSOME, Ph.D., *Professor of History.*
A.B., 1915 (North Carolina); M.A., 1922, Ph.D., 1929 (Michigan).

HUGH TALMADGE LEFLER, Ph.D., *Professor of History.*
A.B., A.M., (Trinity); Ph.D., (Pennsylvania).

*FLETCHER MELVIN GREEN, Ph.D., *Professor of History.*
Ph.B., 1920 (Emory); A.M., 1922, Ph.D., 1927 (North Carolina).

EDWARD MACK, JR., Ph.D., *Smith Professor of Chemistry.*
A.B., 1913, A.M., 1914, Ph.D., 1916 (Princeton).

ADOLF EDUARD ZUCKER, Ph.D., *Professor of German Literature.*
A.B., 1912, A.M., 1913 (Illinois); Ph.D., 1917 (Pennsylvania).

DANIEL HOUSTON BUCHANAN, Ph.D., *Professor of Economics.*
Litt.B., 1909 (Sterling College); A.B., 1911 (Colorado College); A.M., 1912 (Harvard); D.Sc. Econ., 1928 (Keiogijuku Univ., Tokyo).

OLIVER KELLY CORNWELL, M.A., *Professor of Physical Education.*
A.B., 1920 (Wittenberg College); M.A., 1929 (Ohio State).

YUEN- ZANG CHANG, Ph.D., *Visiting Professor of English.*
A.B., 1924 (Fu-Tan University, Shanghai, China); A.M., 1930, Ph.D., 1931 (Johns Hopkins).

HERBERT VON BECKERATH, D.E.c., *Visiting Professor and Lecturer on Social and Economic Theory.*
Student, 1905-08, (FreiBurg, Bonne, and Berlin); Ref. in Law, 1909 (Bonne and Cologne); D. Ec., 1911 (FreiBurg).

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* Absent on leave, 1935-1936.

Howard Kennedy Beale, Ph.D., *Visiting Professor of History.*
Ph.B., 1921 (Chicago); A.M., 1922, Ph.D., 1927 (Harvard).

Henry Bronson Dewing, Ph.D., *Visiting Professor of Latin.*
A.B., 1903, M.A., 1905 (California); Ph. D., 1908 (Yale); L.H.D. (Bowdoin).

Milton Joseph Rosenau, M.D., *Visiting Professor of Public Health.*
M.D., 1889 (Pennsylvania); student, 1892-93 (Hygienische Institut, Berlin), L'Institut Pasteur, Paris, 1900; Pathologisches Institut, Vienna, Austria, 1900; Hon. A. M. (Harvard).

Robert Baker Lawson, M.D., *Associate Professor of Applied Anatomy and Director of the Gymnasium.*
Student, 1897-1900 (North Carolina); M.D., 1902 (Maryland).

Arthur Simeon Winsor, Ph.D., *Associate Professor of Mathematics.*
A.B., 1914, A.M., 1915 (Mount Allison); Ph.D., 1927 (Johns Hopkins).

Floyd Harris Edmister, Ph.D., *Associate Professor of Chemistry.*
B.S., 1912 (Syracuse); M.S., 1913 (Louisiana State); Ph.D., 1918 (Syracuse).

Malcolm Dean Taylor, A.B., M.B.A., *Associate Professor of Marketing.*
A.B., 1920 (Oberlin); M.B.A., 1923 (Harvard).

**Ernst Christian Paul Metzenthin, Ph.D., *Associate Professor of German.*
A.M., 1913 (Pennsylvania State); Ph.D., 1915 (Pennsylvania).

Wiley Britton Sanders, Ph.D., *Associate Professor of Public Administration.*
A.B., 1919 (Emory College); A.M., 1920 (Emory University); A.M., 1921 (North Carolina); Ph.D., 1929 (Chicago).

Shipp Gillespie Sanders, A.M., *Associate Professor of Latin.*
A.B., 1909 (Southwestern); A.M., 1915 (Princeton).

Joe Burton Linker, Ph.D., *Associate Professor of Mathematics.*
A.B., 1918, A.M., 1920 (North Carolina); Ph.D., 1924 (Johns Hopkins).

Joseph Merritt Lear, M.A., *Associate Professor of Insurance.*
A.B., 1900, A.M., 1902 (Randolph-Macon); M.A., 1915 (Columbia).

Carleton Estey Preston, Ph.D., *Associate Professor of the Teaching of Science.*
A.B., 1899, A.M., 1900, Ph.D., 1902 (Harvard).

Preston Cooke Farrar, M.A., *Associate Professor of the Teaching of English.*
A.B., 1891 (Washington and Jefferson); M.A., 1904 (Columbia).

Hugo Giduz, A.B., *Associate Professor of the Teaching of French.*
A.B., 1905 (Harvard).

Herman Henry Staab, M.A., *Associate Professor of Romance Languages.*
B.A., M.A., 1912 (University of the South).

** Died July 22, 1936.

ALMONTE CHARLES HOWELL, Ph.D., *Associate Professor of English.*
A.B., 1917 (Denison); M.A., 1920 (Columbia); Ph.D., 1924 (North Carolina).

*WILLIAM DOUGALD MACMILLAN III, Ph.D., *Associate Professor of English.*
A.B., 1918, A.M., 1920, Ph.D., 1925 (North Carolina).

MILTON SYDNEY HEATH, A.M., *Associate Professor of Economics.*
A.B., 1918, (Kansas); A.M., 1924 (Harvard).

HOWARD FREDERICK MUNCH, A.M., *Associate Professor of the Teaching of Mathematics.*
B.S., 1904 (Adrian College); A.M., 1926 (Chicago).

ROY WILLIAM MORRISON, Ph.D., *Associate Professor of Education in Extension Teaching.*
A.B., 1916 (Davidson); Ph.D., 1928 (North Carolina).

GEORGE WALLACE SMITH, M.S.E., *Associate Professor of Engineering.*
S.B. in E.E., 1916 (North Carolina); M.S.E. in C.E., 1932 (Michigan).

RALPH MCCOY TRIMBLE, C.E., S.M., *Associate Professor of Civil Engineering.*
C.E., 1921 (Virginia); S.M., 1927 (North Carolina).

CHARLES DALE BEERS, Ph.D., *Associate Professor of Zoölogy.*
A.B., 1921, A.M., 1922 (North Carolina); Ph.D., 1925 (John Hopkins).

*PAUL ELLIOTT GREEN, A.B., *Associate Professor of Philosophy.*
A.B., 1921 (North Carolina).

KEENER CHAPMAN FRAZER, A.M., *Associate Professor of Political Science.*
A.B., 1920 (Wofford); A.M., 1921 (North Carolina).

HORACE DOWNS CROCKFORD, Ph.D., *Associate Professor of Chemistry.*
B.S., 1920 (N. C. State College of Agriculture and Engineering); S.M., 1923, Ph.D., 1926 (North Carolina).

**ALFRED MCLAREN WHITE, Sc.D., *Associate Professor of Chemical Engineering.*
B.S.E., 1925 (Michigan); M.S., 1926 (California); Sc.D., 1928 (Michigan).

*ESTON EVERETT ERICSON, Ph.D., *Associate Professor of English.*
B.A., 1923 (Montana); M.A., (Maryland); Ph.D., 1928 (Johns Hopkins).

FRANK WILLIAMS HANFT, A.B., S.J.D., *Associate Professor of Law.*
LL.B., 1924, A.B., 1929, LL.M., 1929 (Minnesota); S.J.D., 1931 (Harvard).

EVAN WILLIAM MCCHESNEY, Ph.D., *Associate Professor of Biological Chemistry.*
S.B., 1926, S.M., 1928 (Chicago); Ph.D., 1931 (Northwestern).

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* Absent on leave, 1935-1936.
** Died September, 1936.

Ira Winfield Rose, Ph.G., *Associate Professor of Practical Pharmacy.*
Ph.G., 1906 (North Carolina).

Charles Phillips Russell, A.B., *Associate Professor of English.*
A.B., 1904 (North Carolina).

Gerald Raleigh MacCarthy, Ph.D., *Associate Professor of Geology.*
A.B., 1921 (Cornell); A.M., 1924, Ph.D., 1926 (North Carolina).

*Paul Woodford Wager, Ph.D., *Associate Professor of Rural Social Economics.*
B.S., 1917 (Hobart College); A.M., 1920 (Haverford); Ph.D., 1927 (North Carolina).

Marion Lee Jacobs, Ph.G., M.Sc., *Associate Professor of Pharmaceutical Chemistry.*
Ph.G., 1920 (North Carolina); M.Sc., 1926 (Nebraska).

Stephen Albert Emery, Ph.D., *Associate Professor of Philosophy and Adviser to Freshmen.*
A.B., 1923, Ph.D., 1928 (Cornell).

*Wirth Fitch Ferger, Ph.D., *Associate Professor of Economics.*
B.A., 1919 (Wisconsin); M.A., 1920 (Columbia); M.A., 1926, Ph.D., 1931 (Wisconsin).

Ralph Steele Boggs, Ph.D., *Associate Professor of Spanish.*
Ph.B., 1926, Ph.D., 1930 (Chicago).

Roy Melton Brown, Ph.D., *Associate Professor of Public Administration.*
A.B., 1906, A.M., 1921, Ph.D., 1929 (North Carolina).

Grant Lester Donnelly, A.B., in Educ., M.D., *Associate Professor of Pharmacology.*
A.B., in Educ., 1929 (North Carolina); M.D., 1933 (Duke).

Guy Benton Johnson, Ph.D., *Research Associate in the Institute for Research in Social Science.*
A.B., 1921 (Baylor); A.M., 1922 (Chicago); Ph.D., 1927 (North Carolina).

Rupert Bayless Vance, Ph.D., *Research Associate in the Institute for Research in Social Science.*
A.B., 1920 (Henderson-Brown); A.M., 1921 (Vanderbilt); Ph.D., 1928 (North Carolina).

Harriet Laura Herring, A.M., *Research Associate in the Institute for Research in Social Science.*
A.B., 1913 (Meredith; A.M., 1918 (Radcliffe).

Katharine Jocher, Ph.D., *Research Associate in and Assistant Director of the Institute for Research in Social Science.*
A.B., 1922 (Goucher); A.M., 1923 (Pennsylvania); Ph.D., 1929 (North Carolina).

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*Absent on leave, 1935-1936.

BEN HUSBANDS, A.B., *Associate Registrar and Examiner.*
A.B., 1927 (North Carolina).

MICHAEL ARENDELL HILL, JR., A.M., *Associate Professor of Mathematics and Adviser to Freshmen.*
A.B., 1920, A.M., 1921 (North Carolina).

RALPH WALTON BOST, Ph.D., *Associate Professor of Chemistry.*
A.B., 1923 (Newberry); A.M., 1924, Ph.D., 1928 (North Carolina).

*JAMES GILBERT EVANS, M.A., *Associate Professor of Economics.*
A.B., 1921 (Simpson); M.A., 1924 (Illinois).

RAYMOND WILLIAM ADAMS, Ph.D., *Associate Professor of English.*
A.B., 1920 (Beloit); A.M., 1921, Ph.D., 1928 (North Carolina).

RICHMOND PUGH BOND, Ph.D., *Associate Professor of English.*
A.B., 1920 (Vanderbilt); A.M., 1923, Ph.D., 1929 (Harvard).

ROBERT HOWARD SHERRILL, M.A., C.P.A., *Associate Professor of Accounting.*
S.B.Comm., 1925 (North Carolina); M.A., 1927 (Columbia); C.P.A., State of North Carolina.

STERLING AUBREY STOUDEMIRE, Ph.D., *Associate Professor of Spanish.*
A.B., 1923, A.M., 1924, Ph.D., 1930 (North Carolina).

AUGUSTUS STEELE ROSE, M.D., *Associate Professor of Anatomy.*
B.S., in Med., 1930 (North Carolina); M.D., 1932 (Harvard).

WILLIAM SUMNER JENKINS, LL.B., Ph.D., *Associate Professor of Political Science.*
A.B., 1924, A.M., 1925, Ph.D., 1927, LL.B., 1931 (North Carolina).

CHARLES BASKERVILLE ROBSON, Ph.D., *Associate Professor of Political Science.*
A.B., 1919 (Davidson); A.M., 1924 (Princeton); Ph.D., 1930 (North Carolina).

WILLIAM LEON WILEY, Ph.D., *Associate Professor of French and Adviser to Freshmen.*
A.B., 1921 (Chattanooga); A.M., 1925, Ph.D., 1930 (Harvard).

NORA BEUST, A.M., *Associate Professor of Library Administration.*
B.A., 1922 (Wisconsin); A.M., 1930 (North Carolina).

EDWARD MORRIS BERNSTEIN, Ph.D., *Associate Professor of Economics.*
Ph.B., 1927 (Chicago); A.M., 1928, Ph.D., 1930 (Harvard).

**LEE MARSHALL BROOKS, Ph.D., *Associate Professor of Sociology.*
A.B., 1925 (Boston); A.M., 1926, Ph.D., 1929 (North Carolina).

BENJAMIN FRANKLIN SWALIN, Ph.D., *Acting Associate Professor of Music.*
B.S., 1928, A.M., 1930 (Columbia); Graduate, 1930 (Institute of Musical Art, New York); Graduate, 1932 (Hochschule für Musik and Kappelmeisterschule of the Stadtsakademie (Vienna); Ph. D., 1932 (Vienna).

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* Absent on leave, fall quarter, 1935-1936.
** Absent on leave, 1935-1936.

Dudley Johnstone Cowden, Ph.D., *Acting Associate Professor of Economics.*
A.B., 1919 (Grinnell College); A.M., 1922 (Chicago); Ph.D., 1931 (Columbia).

George Kenneth Grant Henry, Ph.D., *Assistant Registrar.*
A.B., 1900, A.M., 1904 (Hamilton); Ph.D., 1914 (North Carolina).

John Minor Gwynn, Ph.D., *Assistant Professor of the Teaching of Latin.*
A.B., 1918, A.M., 1927 (North Carolina); Ph.D., 1935, (Yale).

*Arnold Kimsey King, A.B. in Educ., A.M., *Assistant Professor of the Teaching of History.*
A.B. in Educ., 1925 (North Carolina); A.M., 1927 (Chicago).

*Roland Prince McClamroch, Ph.D., *Assistant Professor of English.*
A.B., 1920, A.M., 1922, Ph.D., 1927 (North Carolina).

William Anderson Olsen, A.M., *Assistant Professor of English.*
A.B., 1923 (Cornell); A.M., 1928 (North Carolina).

Grace Penn Woodman, *Assistant Professor of Music in Extension Teaching.*

Samuel Selden, A.B., *Assistant Professor of English and Associate Director of the Carolina Playmakers.*
A.B., 1922 (Yale).

Vinton Asbury Hoyle, Ph.D., *Assistant Professor of Mathematics.*
A.B., 1924, A.M., 1925 (North Carolina); Ph.D., 1930 (Princeton).

Gladys Angel Beard, M.A., *Assistant Professor of Health and Physical Education in Extension Teaching and Director of Physical Education for Women.*
B.S., 1923, M.A., 1930 (Teachers College, Columbia).

Lofton Leroy Garner, A.M., *Assistant Professor of Mathematics.*
A.B., 1925, A.M., 1927 (North Carolina).

James Harmon Chadbourne, A.B., J.D., *Assistant Professor of Law.*
A.B., 1926 (The Citadel); J.D., 1931 (North Carolina).

Robert Boies Sharpe, Ph.D., *Assistant Professor of English.*
B.A., 1918 (Wesleyan); M.A., 1923 (Wisconsin); Ph.D., 1928 (Yale).

Lucile Kelling, B.L.S., *Assistant Professor of Library Science.*
A.B., 1917 (Whitman); B.L. S., 1921 (New York State Library School).

Samuel Thomas Emory, A.M., *Assistant Professor of Geology.*
A.B., 1921 (Randolph-Macon); A.M., 1931 (Columbia).

Harry Kitsun Russell, Ph.D., *Assistant Professor of English and Adviser to Freshmen.*
A.B., 1923 (Davidson); A.M., 1928, Ph.D., 1931 (North Carolina).

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*Absent on leave, 1935-1936.

COLIN CARMICHAEL, S.M. in M.E., *Assistant Professor of Mechanical Engineering.*
B.Sc., 1926 (Glasgow); S.M. in M.E., 1934 (North Carolina).

EARL ANDERSON SLOCUM, B.Mus., *Assistant Professor of Music.*
B.Mus., 1931 (Michigan).

JOHN ELDON MULDER, A.B., LL.M., *Assistant Professor of Law.*
A.B., 1928 (Iowa); LL.B., 1931 (Wisconsin); LL.M., 1933 (Columbia).

EDWIN CARLYLE MARKHAM, Ph.D., *Assistant Professor of Chemistry.*
A.B., 1923 (Trinity); Ph.D., 1927 (Virginia).

JOHN WARFIELD HUDDLE, Ph.D., *Assistant Professor of Geology.*
B.S., 1929 (Northwestern); Ph.D., 1934 (Indiana).

JAMES OSLER BAILEY, Ph.D., *Assistant Professor of English.*
A.B., 1924, A.M., 1927, Ph.D., 1934 (North Carolina).

CARL HAMILTON PEGG, Ph.D., *Assistant Professor of History.*
A.B., 1927, A.M., 1927, Ph.D., 1929 (North Carolina).

THOMAS PASTEUR NOE, JR., S.M.E., *Assistant Professor of Civil Engineering.*
A.B., 1926 (Univ. of the South); S.B. in C.E., 1928, S.M. in Civ. Eng., 1930 (North Carolina).

CECIL JOHNSON, Ph.D., *Assistant Professor of History.*
A.B., 1922 (Mississippi College); M.A., 1924 (Virginia); Ph.D., 1932 (Yale).

JOSIAH COX RUSSELL, Ph.D., *Assistant Professor of History.*
A.B., 1922 (Earlham); A.M., 1923, Ph.D., 1926 (Harvard).

JAN PHILIP SCHINHAN, M.A., *Assistant Professor of Music.*
A.B., 1931, M.A., 1933 (California).

JOHN ARCHIBALD WHEELER, Ph.D., *Assistant Professor of Physics.*
Ph.D., 1933 (Johns Hopkins).

DONALD PAUL COSTELLO, Ph.D., *Assistant Professor of Zoölogy.*
A.B., 1930, (College of the City of Detroit); Ph.D., 1934 (Pennsylvania).

CARL W. BORGMANN, Ph.D., *Acting-Assistant Professor of Chemical Engineering.*
B.S., 1927, Ch.E., 1931 (Colorado); Ph.D., 1934 (Cambridge).

JAMES WILLIAM FESLER, Ph.D., *Acting Assistant Professor of Political Science.*
A.B., 1932 (Minnesota); A.M., 1933, Ph.D., 1935 (Harvard).

GEORGE HAROLD LAWRENCE, A.M., *Supervisor of Field Social Work.*
A.B., 1919 (Columbia); A.M., 1928 (North Carolina).

JOHN LEROY SMITH, A.M., *Instructor in French.*
A.B., 1917, A.M., 1924 (North Carolina).

THOMAS EWELL WRIGHT, A.M., *Instructor in French.*
A.B., 1922, A.M., 1926 (North Carolina).

Robert White Linker, Ph.D., *Instructor in French.*
A.B., 1925, A.M., 1928, Ph.D., 1933 (North Carolina).

William Lester Wilson, A.M., *Instructor in English.*
A.B., 1921 (Piedmont); A.M., 1928 (North Carolina).

John Erwin Carroll, Jr., A.M., *Instructor in Romance Languages.*
B.S., 1923 (The Citadel); A.M., 1928 (North Carolina).

Arthur Russell Hollett, S.M.E., *Instructor in Engineering.*
S.B., in Civ. Eng'g., 1928, S.M. in C.E., 1933 (North Carolina).

Raymond Franklin Stainback, S.M.E., *Instructor in Electrical Engineering.*
S.B., in Elec. Eng'g., 1926, S.M.E., 1931 (North Carolina).

Rex Shelton Winslow, A.M., *Instructor in Economics.*
A.B., 1923 (Simpson); A.M., 1929 (Illinois).

Edward Alexander Cameron, A.M., *Instructor in Mathematics.*
A.B., in Educ., 1928, A.M., 1929 (North Carolina).

Edwin Weems Winkler, S.M., in E.E., *Instructor in Engineering.*
B.S., in E.E., 1928 (Montana State); S.M. in E.E., 1935 (North Carolina).

William Milton McLeod, Ph.D., *Instructor in French.*
A.B., 1921 (Wofford); A.M., 1930, Ph.D., 1933 (North Carolina).

*Irving Lee Martin, S.M,, *Instructor in Geography and Geology.*
S.B., in Geology, 1927, S.M., 1928 (North Carolina).

Harry Ellerbe Davis, A.B., *Instructor in English and Assistant Director of the Carolina Playmakers.*
A.B., 1927 (South Carolina).

Thomas Henderson Byrnes, B.S., M.D., *Instructor in Pathology.*
B.S., 1922 (Clemson); M.D., 1926 (Medical College of South Carolina).

George Frederick Horner, M.A., *Instructor in English.*
B.A., 1921, M.A., 1924 (Pennsylvania State College).

Robert Lee Garrett, A.M., *Instructor in Mathematics.*
B.S., 1926 (Georgia); A.M., 1930 (North Carolina).

Fred Hobson Arnold, M.A., *Instructor in Economics.*
B.S., 1925, M.A., 1928 (Peabody).

Frederick Edward Coenen, A.M., *Instructor in German.*
A.B., 1928, A.M., 1930 (Arizona); Student, University of Cologne, 1931-1932.

Francis Clement Hayes, M.A., *Instructor in Spanish.*
A.B., 1928 (North Carolina); M.A., 1930 (Columbia).

Herman Everett Spivey, A.M., *Instructor in English.*
A.B., 1928, A.M., 1929 (North Carolina).

Henry Grady Miller, B.S., *Instructor in Music.*
B.S., 1935 (Teachers College).

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* Resigned, December, 1935.

DAVID KIRBY SPELT, A.B., *Instructor in Psychology.*
A.B., 1930 (Haverford).

DONALD DELOS WICKENS, A.M., *Instructor in Psychology.*
A.B., 1931 (Centre); A.M., 1933 (North Carolina).

SAMUEL WILLIAMS JOHN WELCH, S.B., *Instructor in Psychology.*
S.B., 1926 (M. I. T.).

HARRY MORTIMER DOUTY, M.A., *Instructor in Economics.*
A.B., 1932 (Duke); M.A., 1932 (Columbia).

CHARLES MEEKS ANDERSON, M.A., *Instructor in Economics.*
A.B., 1916, M.A., 1916 (Johnson Bible College); M.A., 1918 (Michigan).

JOHN ALLAN MCLEAN, S.B. in M.E., *Instructor in Engineering.*
S.B. in M.E., 1933 (North Carolina).

JOHN CHARLES GEYER, M.S.E., *Instructor in Engineering.*
B.S. in C.E. (Michigan); M.S. in C.E. (Harvard).

ARNOLD LEDGERGOOD WILLIAMS, A.M., *Instructor in English.*
A.B., 1929 (Notre Dame); A.M., 1930 (North Carolina).

ABRAM GUSTAVUS BAYROFF, Ph.D., *Instructor in Psychology.*
A.B., 1927 (New York); M.A., 1929, Ph.D., 1931 (North Carolina).

WALTER DEVEREAUX CREECH, A.M., *Instructor in French.*
A.B., 1928, A.M., 1930 (North Carolina); Certificate, University of Lyons (1932), University of Bordeaux (1933).

*DAN LACY, A.B., *Instructor in History.*
A.B., 1933 (North Carolina).

JOHN WILLIAM PARKER, A.B. in Educ., *Instructor in Dramatic Art in Extension.*
A.B. in Educ., 1930 (North Carolina).

BENSON WILLIS DAVIS, A.B., *Instructor in Latin.*
A.B., 1929 (North Carolina).

**THOMAS GRANT HARBISON, *Curator in the Department of Botany.*
B.S., 1887, Ph.D., 1889 (National University).

JOSEPH MANSON VALENTINE, *Curator, Museum of Natural History.*
B.A., 1923, Ph.D., 1928 (Yale).

WILLIAM ROWE WEAVER, A.M., *Instructor in Spanish.*
A.B., 1929 (Davidson); A.M., 1934 (North Carolina).

CORINNE CRAWFORD MCNEIR, B.A., *Instructor in Art.*
B.A., 1930 (Rice Institute).

EDWARD MCGOWAN HEDGPETH, M.D., *Instructor in Anatomy.*
A.B., 1927 (North Carolina); M.D., 1931 (Pennsylvania).

WILLIAM SMITH WELLS, Ph.D., *Instructor in English.*
A.B., 1929, A.M., 1930 (Southern Calif.); Ph. D., 1935 (Stanford).

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* Resigned, 1935.
**Died January 12, 1936.

Louis Osgood Kattsoff, Ph.D., *Instructor in Philosophy.*
A.B., 1927, A.M., 1930, Ph.D., 1934 (Pennsylvania).

Ernest Scott Barr, A.M., *Instructor in Physics.*
A.B., 1927, A.M., 1932 (North Carolina).

Beverly Reid Thurman, Jr., A.M., *Instructor in French.*
A.B., 1931 (William and Mary); A.M., 1933 (North Carolina).

Alfred Garvin Engstrom, A.M., *Instructor in French.*
A.B., 1933, A.M., 1935 (North Carolina).

Werner Paul Friederich, Ph.D., *Instructor in German.*
A.B., 1924 (Gymnasium, Bern); A.M., 1929, Ph.D., 1932 (Harvard).

Roland Whiteway Nelson, A.B., *Instructor in English.*
A.B., 1920 (Princeton).

James Workman Culbertson, A.M., *Instructor in Histology and Embryology.*
B.S., 1932 (Furman); A.M., 1934 (North Carolina).

Edwin Marvin Perkins, J.D., *Lecturer on Taxation in the School of Law.*
A.B., 1929, J.D., 1933 (North Carolina).

Hugh Preston Smith, A.M., *Instructor in Education.*
A.B., 1920 (Wake Forest); A.M., 1926 (Duke).

Francis Sidney Wilder, A.M., *Instructor in Economics.*
A.B., 1925 (Dartmouth); A.M., 1926 (North Carolina).

Theodore Nelson Grice, B.S., *Instructor in Economics.*
B.S., 1928 (North Carolina).

Joseph Edison Adams, Ph.D., *Instructor in Botany.*
Ph.G., 1925, Ph. Ch., 1927 (College of Pharmacy, Columbia); B.S., 1929 (Michigan); A.M., 1932, (Columbia); Ph.D., 1935, (California).

Walter Spearman, A.B., *Instructor in Journalism.*
A.B., 1929 (North Carolina).

William Albert McKnight, B.S., *Instructor in Spanish.*
B.S., 1932 (Davidson).

Linton Lomas Barrett, M.A., *Instructor in Spanish.*
B.A., 1928, M.A., 1929 (Mercer).

Robert Douthat Meade, Ph.D., *Instructor in History.*
B.A., 1924 (Virginia Military Institute); M.A., 1926 (Virginia); Ph.D., 1935 (Chicago).

Joseph Carlyle Sitterson, A.M., *Instructor in History.*
A.B., 1931, A.M., 1932 (North Carolina).

Henry Brandis, Jr., A.B., LL.B., *Instructor in Political Science.*
A.B., 1928 (North Carolina); LL.B., 1931 (Columbia).

James Filmore Cook, A.B., *Instructor in German.*
A.B., 1935 (North Carolina).

Charles Edward Lloyd, A.B., *Instructor in German.*
A.B., 1935 (North Carolina).

HARRISON WILSON STRALEY III, A.B., *Instructor in Geology.*
A.B., 1923 (Concord State Teachers College).

MALCOLM HENDERSON ROURK, M.D., M.P.H., *District Health Officer and Instructor in Public Health for Social Workers.*
B.S., 1929, (North Carolina); M.D., 1933, (Minnesota); M.P.H., 1935 (Harvard).

NESTORE DICOSTANZO, A.B., *Technician in Physics.*
A.B., 1934 (North Carolina).

GUY SELLERS HARRIS, A.B., *Mechanician in Chemistry.*
A.B., 1922, (Wittenberg College).

Lecturers in Public Health:

CARL V. REYNOLDS, M.D., *Secretary of North Carolina State Board of Health and State Health Officer; Director of Field Work.*

ROBERT E. FOX, A.B., M.D., M.P.H., *Director Division of County Health Work, North Carolina State Board of Health.*

JOHN H. HAMILTON, B.S., M.D., *Director State Laboratory of Higiene, North Carolina State Board of Health.*

WARREN H. BOOKER, C.E., *Director Division of Sanitary Engineering, North Carolina State Board of Health.*

ROBERT T. STIMPSON, A.B., M.D., C.P.H., *Director Bureau of Vital Statistics, North Carolina State Board of Health.*

JOSEPH C. KNOX M.D., M.P.H., *Director Division of Epidemiology, North Carolina State Board of Health.*

GEORGE M. COOPER, M.D., *Director Division of Preventive Medicine, and Assistant State Health Officer, North Carolina State Board of Health.*

ERNEST A. BRANCH, D.D.S., *Director Division of Oral Hygiene, North Carolina State Board of Health.*

RESEARCH ASSISTANTS, 1934-35

ALMA HOLLAND, A.B., *Research Assistant in Botany.*

LUCILLE MARSHALL ELLIOTT, A.B., *Research Assistant in Law.*

EDWIN MARVIN PERKINS, J.D., *Research Assistant in the Institute for Research in Social Science.*

STANLEY SCOTT STEVENS, A.M., *Research Assisstant in the Institute for Research in Social Science.*

OLIVE MATTHEWS STONE, A.M., *Junior Research Assistant in the Institute for Research in Social Science.*

BENNETT HARRISON WALL, A.B., *Junior Research Assistant in the Institute for Research in Social Science.*

TEACHING FELLOWS, 1935-1936

John Robert Raper, A.B., A.M.....Botany
Dan Fore, Jr., A.B., A.M.,.....Chemistry
Granvil Charles Kyker, B.S.....Chemistry
William Waldo Williams, S.M.....Chemistry
Thomas Moorman Simkins, Jr., A.B.....Classics
Edward Frank Brayer, M.A.....Economics and Commerce
John Berry McFerrin, Jr., M.A.....Economics and Commerce
Hugh Preston Smith, M.A.....Education
William L. Blankenburg, B.S.....Engineering
Gerald Giles Grubb, A.M.....English
James Kester Svendsen, M.A.....English
Henry Whittington Sams, M.A.....English
Richard Archer Edwards, M.A.....Geology
Ross Elwood Backenstoss, Jr., M.A.....German
Weldon Amzy Brown, A.M.....History
John Alexander McGeachy, Jr., A.M.....History
Alexander Taylor Edelman, A.M.....History
Marshall Cornett Bell, A.M.....Mathematics
Talmage Hoyle Lee, B.A.....Mathematics
William Lamont Smith, A.M.....Physics
Samuel Middleton Hines, A.M.....Psychology
Gerald Hayes Little, A.M.....Romance Languages
Carey Dewitt Eldridge, B.A.....Romance Languages
John Alfred Barrett, A.B.....Romance Languages
Harry Estill Moore, A.M.....Sociology
Eugene Pleasants Odum, M.A.....Zoölogy

STUDENT ASSISTANTS, 1935-1936

William Harris Davis, Jr.....Bacteriology
James Arthur Doubles.....Botany
James Ferger.....Botany
Jeane Gage Leitner.....Botany
John Frederick Munch.....Botany
Donald Dirk Ritchie.....Botany
Leland Shanor .....Botany
Laurie Marguerite Stewart.....Botany
Allen Leander Alexander.....Chemistry
Warren Frederick Bartz.....Chemistry
B. O. Cosby.....Chemistry
Francis Bartow Culp.....Chemistry
John Edward Everett.....Chemistry
Leon Galloway.....Chemistry
Mary Eugenia Kapp.....Chemistry
Samuel Bradley Knight.....Chemistry

PHILIP H. LATIMER.....Chemistry
JAMES CARR LOFTIN.....Chemistry
JAMES FRANK NICHOLSON Chemistry
ELMER CROWELL POWELL, JR.....Chemistry
NORWOOD LEE SIMMONS, JR.....Chemistry
HOWARD ALBERT TANNER.....Chemistry
JOSEPH ALBERT TAYLOR.....Chemistry
LAURA CORBETT THOMAS.....Chemistry
RUFUS CARSON COX, JR.....School of Commerce
FRANCIS HILLIARD FAIRLEY.....School of Commerce
J. FLOYD FLETCHER.....School of Commerce
BRANTSON BEESON HOLDER.....School of Commerce
JOE HOMER MULLEN.....School of Commerce
JACK THOMPSON.....School of Commerce
JOSEPH LEE BROWN.....Education
EDWARD MARQUETTE BROADHURST.....Engineering
MARY CLAIRE RANDOLPH BUFFALO, (MRS.).....English
GUY ADAMS CARDWELL, JR.....English
JAMES EDMOND CONGLETON.....English
ERNEST HAYNES COX.....English
EARL HORACE HARTSELL.....English
NATHANIEL HARDING HENRY.....English
ALBERT DOUGLAS BEACH LANGSTON.....English
WALDO FOREST MCNEIR.....English
ANDREW JOHN MAHLER.....English
JOHN BRANNER SHACKFORD.....English
WILLIAM SMITH WARD.....English
NAOMI ESTHER GREEN.....Geology
WILLIAM RAY JOHNSON, JR.....Geology
WILLIAM ROBERT BOOTH.....Law
FRANCIS MARION PARKER.....Law
PINKEY RAY RANKIN.....Law
NEWMAN ALEXANDER TOWNSEND, JR.....Law
PETER SIJER HANSEN.....Music
LOAMIE GILBERT, JR.....Pharmacy
WILLIAM THOMAS GLASS, JR.....Pharmacy
HALLIE CRAVEN REAVES.....Pharmacy
H. DALE ROTH.....Pharmacy
WILLIAM JULIUS SMITH.....Pharmacy
RAYMOND LEVERING DRISCOLL.....Physics
SHERWOOD GITHENS, JR.....Physics
CREIGHTON CLINTON JONES.....Physics
HERMAN MANLEY PARKER.....Physics
JAMES WILSON WHITE.....Physics
FRANKLIN L. BURDETTE.....Political Science
MILDRED CORINNA MENDENHALL.....Psychology

Irving David Suss.....Psychology
Edith Wladkowski.....Psychology
Bernice Milburn Moore.....Rural Social Economics
Robert Newton Woodworth.....Sociology
Coit McLean Coker.....Zoölogy
John Albert Fincher.....Zoölogy
James Sylvester Gilliam, Jr.....Zoölogy
Lyle Lyndon Williams.....Zoölogy

STANDING FACULTY COMMITTEES

Admission and Records. Professors T. J. Wilson, Jr., Chairman, Beard, Bradshaw, Carroll, A. W. Hobbs, House, Husbands, Secretary, W. J. Miller.

Advisory. (*elected with terms expiring the year indicated*). 1936: Professors Carroll, Odum, W. C. Coker; 1937: Professors N. B. Adams, A. W. Hobbs, G. C. Taylor; 1938: Professors Dey, R. E. Coker, Wettach.

Athletics. Professors A. W. Hobbs, Chairman, Baity, Wolf.

Auditing of the Public Funds of Student Organizations. Professors Bradshaw, Sherrill, Mr. Rogerson, Mr. Thompson, Student Members Messrs. Fairley, Willingham, MacFarland, Hicks.

Budget. Professors A. W. Hobbs, Chairman, House *ex officio,* carroll, Pierson, Spruill.

Grounds, Buildings, Fields, Forests, and Lake Area. Professors W. C. Coker, Chairman, Baity, Booker, MacNider, Odum, Wheeler, Mr. Woollen.

Chapel. Professors Bradshaw, Chairman, Bernard, Carroll, House, Mangum, Meyer, Mr. Comer.

Compilation of University Regulations. Professors Howell, Chairman, Jenkins, Olsen.

Coöperation with the Alumni. Professors Bernard, Bradshaw, Coates.

Cost of Living. Professors Carroll, Chairman, Ferger, Heer, S. H. Hobbs, M. D. Taylor, Woofter.

Debates. Professors Bernard, Coates, McKie, Williams.

Dramatics. Professors Koch, Chairman, McKie, Wheeler.

Endowed Scholarships. Professors House, Chairman, Baity, Bost, Bradshaw, Carroll, A. W. Hobbs, Spruill, T. J. Wilson, Jr., Messrs. Saunders, Comer, Rogerson, Lanier.

ENGLISH COMPOSITION. Professors Totten, Chairman, Bailey, Secretary, N. B. Adams, R. W. Adams, Bagby, Beard, Bost, Coffin, Coffman, Farrar, Fussler, Haydon, Cecil Johnson, McCall, MacCarthy, W. B. Sanders, Spruill, Thrall, H. V. Wilson.

EXECUTIVE. (*elected with terms expiring the year indicated*). 1936: Professors Fussler, Chairman, Totten; 1937: R. J. M. Hobbs, Linker; 1938: Edmister, Hudson.

FACT FINDING. Professors Trabue, Chairman, Totten, (Temporary Chairman), Bagby, Bradshaw, Mackie, Spruill, Stoudemire, Woofter.

FACULTY ADVISERS OF GENERAL COLLEGE. Professors Spruill, Chairman, Emery, Hill, Mackie, H. K. Russell, Totten, Wiley.

FACULTY CLUB. Professors Coffman, Chairman, Bagby, McKie, Noe, Wheeler, White, Dr. R. W. Linker, Mr. Comer.

FINE ARTS. Professors Bernard, Booker, Harland, Haydon, Holmes, Koch.

FOREIGN STUDY. Professors Dey, Chairman, Harrer, Leavitt, Pierson, J. C. Russell, Mr. Grumman.

FRATERNITIES. Professors Lyons, Chairman, Bernard, Bradshaw, Carroll, Peacock, Stoudemire, T. J. Wilson, Jr.

HEALTH AND SANITATION. Professors Berryhill, Chairman, Bullitt, Mr. Woollen.

HOLT SCHOLARSHIPS. Professors A. W. Hobbs, Chairman, Baity, Bost, Bradshaw, Carroll, Noble, Walker, Mr. Comer.

INSTRUCTION. Professors A. W. Hobbs, Chairman, Pierson, Spruill.

INTELLECTUAL COÖPERATION WITH DUKE UNIVERSITY. Professors Odum, Chairman, W. C. Coker, Downs, Knight, Van Hecke.

LOAN FUNDS. Professors Bradshaw, Chairman, Carroll, House, Messrs. Rogerson, Saunders, Grissette, Lanier.

MCNAIR LECTURES. Professors Williams, Chairman, Harrer, Henderson, MacNider.

PUBLIC OCCASION AND CELEBRATIONS. Professors Bradshaw, Dey, Hamilton, Haydon, Henderson, Knight, Koch, Wheeler, Messrs. Madry, Rogerson, Saunders.

REGISTRATION. Deans House, Wilson, the Undergraduate Deans, Mr. Husbands.

REGULATION OF STUDENT DANCES. Professors Bernard, Chairman, R. E. Coker, Dey.

ADMINISTRATIVE BOARD COMMITTEE. Professors Bradshaw, House, Husbands, Messrs. T. H. Evans, J. A. Williams.

Rhodes Scholarships. Professors A. W. Hobbs, Chairman, Bradshaw, House, Spruill, T. J. Wilson, Jr., Mr. Comer.

Self-Help. Mr. Comer, Chairman, Professors Bradshaw, Carroll, A.W. Hobbs, House, J. B. Linker, Messrs. Burch, G. M. Hill, Lanier, Saunders.

Student Entertainment. Professors Harland, Chairman, Haydon, Koch, with student representatives of the College of Arts and Sciences and the School of Commerce.

Student-Faculty Day. Professors Bernard, Bradshaw, Dey, Harland, A. W. Hobbs, Mackie, MacNider, Woodhouse.

Student Health and Physical Education. Professors Cornwell, Chairman, Berryhill, Bradshaw, Fetzer, Mangum, Spruill.

Sullivan Award. Professors Bradshaw, A. W. Hobbs, House.

Weil Lectures. Professors Carroll, Chairman, Heath, Robson, Vance, Wettach.

Teaching Load. Professors Lasley, Chairman, Dobbins, Ferger, Fussler, R. J. M. Hobbs, Jordan, Stoudemire.

PART TWO

GENERAL INFORMATION

THE UNIVERSITY

FOUNDATION AND GOVERNMENT

The University was established in obedience to the first Constitution of the State, which was adopted in December, 1776. A clause of section XLI declared that "all useful learning shall be duly encouraged and promoted in one or more universities." The charter was granted by the General Assembly in 1789, the cornerstone of the Old East Building was laid in 1793, and the university opened its doors in January, 1795.

By the Constitution adopted in 1868 the General Assembly has "power to provide for the election of Trustees of the University of North Carolina, in whom, when chosen, shall be vested all the privileges, rights, franchises and endowments thereof in anywise granted to or conferred upon the trustees of said University; and the General Assembly may make such provisions, laws and regulations, from time to time, as may be necessary and expedient for the maintenance and management of said University." The Governor of the state is *ex officio* President of the Board of Trustees.

The same Constitution, in connection with "Benefits of the University," further states: The General Assembly shall provide that the benefits of the University, as far as practicable, be extended to the youth of the State free of expense for tuition; also, that all the property which has heretofore accrued to the State, or shall hereafter accrue, from escheats, unclaimed dividends, or distributive shares of the estates of deceased persons, shall be appropriated to the use of the University.

ORGANIZATION AND DEGREES

The University is organized into a General College (which gives the general academic work of the first two years), a College of Arts and Sciences, and eight schools which have jurisdiction over degrees as shown below.

The College of Arts and Sciences

Bachelor of Arts
Bachelor of Arts in Journalism
Bachelor of Science in Chemistry
Bachelor of Science in Geology
Bachelor of Science in Physics
Bachelor of Arts and Laws (with the School of Law)
Bachelor of Science in Medicine (with the School of Medicine)

The School of Commerce
Bachelor of Science in Commerce
Bachelor of Science in Commerce and Laws (with the School of Law)

*The School of Engineering
Bachelor of Science in Electrical Engineering
Bachelor of Science in Civil Engineering
Bachelor of Science in Mechanical Engineering
Bachelor of Science in Chemical Engineering

The School of Public Administration
Bachelor of Science in Public Administration

The Graduate School
Master of Arts
Master of Science
Doctor of Philosophy

The School of Law
Bachelor of Laws
Doctor of Law
Bachelor of Arts and Laws (see above)
Bachelor of Science in Commerce and Laws (see above)

The School of Medicine
Bachelor of Science in Medicine (see above)

The School of Pharmacy
Bachelor of Science in Pharmacy

The School of Library Science
Bachelor of Arts in Library Science

In the Summer Session are offered many courses for which regular University credit is allowed, including special courses designed primarily for the teachers of the State. Practically all the work offered is of collegiate grade and may be counted towards some degree from the University.

There is also a Division of Extension through which the services of the University Faculty and certain material equipment of the University are made available to the people of the State generally.

THE GENERAL FACULTY OF THE UNIVERSITY

By action of the Trustees of the University the General Faculty includes all members of the University's teaching force above the rank of Instructor and all general administrative officers of the institution. In the President and the General Faculty is vested final authority

* There will be no new enrollments in this school, the resources of the Consolidated University in engineering education being concentrated in the N. C. State College of Agriculture and Engineering.

(under the Trustees) over all matters of University policy and activity. Under the General Faculty the College and the Schools have separate Faculties and Administrative Boards, which have final authority over matters pertaining solely to such College or Schools.

SCHOLARSHIPS AND OTHER FINANCIAL ASSISTANCE

There are certain endowed scholarships available for students who can show good attainments in scholarship along with definite financial need. Information in regard to them can be secured by writing to Dean R. B. House.

The University has a sum of money which may be loaned to worthy students who can show definite need. Information can be secured from Mr. J. A. Williams.

There are a certain number of positions involving various kinds of work which enable some students to earn a part of their expenses. Information about this can be secured from Mr. Edwin S. Lanier.

Students should not come to the University unless they are able to pay their bills immediately upon registration. All arrangements about payment of bills must be made in advance of registration, whether by way of loans, scholarships, acceptance of notes, or in any other manner.

THE COLLEGE YEAR

The college year is divided into fall, winter, and spring quarters of approximately twelve weeks each, and a summer session divided into two terms of about six weeks each. There is a Thanksgiving recess of three days, a Christmas recess of approximately two weeks, and a spring recess of about six days.

RELIGIOUS INFLUENCES

Through the coöperation of all concerned, religious influences of unusually effective character surround the University student. Chapel exercises are held in Memorial Hall at ten-thirty o'clock. The Young Men's Christian Association, to which the University makes annual contributions, is of great value in the life of the campus.

The larger denominations of the state have erected at Chapel Hill modern and adequate church plants. The Chapel Hill churches are manned by an effective and coöperative group of pastors, are all located in close proximity to the campus, and play a very large and genuine part in the life of the University.

DISCIPLINE

The Unviersity endeavors to make young men manly and self-reliant, and to develop character by educating the conscience. The Faculty may, at their discretion, admonsh, suspend, or dismiss students for neglect of duty, or for misconduct. See also under the heading of Student Government.

PHYSICAL EDUCATION

Hearty encouragement is given to athletic sports and to all kinds of physical culture.

In addition to inter-collegiate athletics the University fosters an unusually extensive program of intra-mural sports, involving over half the undergraduates in a wide variety of games. There are contests in basketball, tag-football, indoor and outdoor baseball, tennis, soccer, quoits, rifleshooting, boxing, wrestling, fencing, and track. Intra-mural teams offer every interested student opportunity for participation n some interesting and healthful form of competition with his fellows, for learning team work and good sportsmanship.

Physical education is required of all freshmen in the afternoons twice each week for the year. A course in hygiene is required of all freshmen once each week for the year.

A thorough physical examination is given to students at the time of entrance. All students are classified on the basis of the examination and effort is made to adapt the program to the individual's particular needs. Particular attention is given to various remediable defects and individual programs are built with the idea of improving or correcting the existing condition.

It is hoped that all students can develop sufficient skill in various recreational activities in order that continued participation in the activity will result.

A well rounded seasonal program of intramural athletics is carried on throughout the year with the idea of supplying recreational opportunity to all members of the student body. Complete schedules are played in a variety of individual and team activities, including tennis, golf, fencing, table tennis, bowling, boxing, wrestling, track and field, quoits, tag-football, indoor and outdoor baseball, basketball, and soccer.

The program of intercollegiate athletics includes a great variety of seasonal competitive games with the idea of promoting maximum participation by members of the student body.

More advanced courses in Physical education are offered to upper classmen who plan to become athletic directors or coaches.

The physical education of women students is under the charge of Mrs. Gladys Angel Beard as Director and a group of administrative officers as a board. Each entering woman student is carefully examined and tested for the purpose of discovering defects and correcting them. Arrangement for this examination is made when the student registers for the required course. Vigorous exercise and recreation are provided by tennis, archery, dancing, track work, basketball, and hockey; and inter-class competition is encouraged.

MEDICAL ATTENTION

In order to provide proper attention for the student during sickness the University employs two full time physicians and maintains a well appointed infirmary. The infirmary is equipped with all necessary conveniences and comforts, and with a modern X-ray unit and laboratory for diagnostic purposes under the direction of a full time technician. It is under the immediate supervision of the University Physician, and is provided with three experienced nurses. At the discretion of the University Physician a student may be admitted to its wards, and for such servicesss as may be rendered by the staff no charges are made. But should any additional service (consultation, special nurses, operations requiring the attendance of a trained surgeon), recommended by the attending physician and approved by the parent or guardian, be necessary, the student will be required to pay for such services.

THE DIVISION OF ADMISSIONS AND RECORDS

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President.*
Robert Burton House, A.M., *Dean of Administration.*
Thomas James Wilson, Jr., *Dean of Admissions.*

*THE ADMINISTRATIVE BOARD

Allan Wilson Hobbs, Ph.D.
William Jasper Miller, S.M.E.E.
Dudley deWitt Carroll, M.A.
Francis Foster Bradshaw, Ph.D.
Robert Burton House, A.M.
Ben Husbands, A.B., *Secretary.*

GENERAL STATEMENT

Since the conclusion of the World War the University has experienced such a growth both in numbers and in breadth of policy and influence that it has been found necessary in many ways to revise and modify previously existing modes of action. From this influence came in March, 1920, the proposals of the University Advisory Committee with reference to the more definite organization of separate schools or faculties and the establishment of administrative boards for thes separate schools. The proposals were adopted.

After about ten years it was generally felt that developments subsequent to the above action had led to practices and procedures not in strict accord with the plans adopted in 1920. After full investigation and discussion by the Advisory Committee and the Administrative Officers of the University new regulations designed to make effective the original legislation of 1920 were proposed to the General Faculty and were adopted.

By these regulations the Special Faculties of Law, Medicine, Pharmacy, Engineering, and of the Graduate School and the Undergraduate Faculty were definitely provided and their jurisdictions, powers, and duties were defined. At the same time were settled the status, powers, and duties of the Administrative Boards of all schools and divisions. See Catalogue for 1930-1931, page 30 and following. Schools organized subsequently, such as Library Science and Public Administration, have similar arrangements.

The division named at the head of this section was organized in 1931 for the purposes indicated by its title in order still further to organize and make more effective existing agencies for the promotion of the good of the University. This division was at first appointed (and with a somewhat different personnel) as the Committee on Ad-

* In matters involving any of the Schools of Law, Medicine, Pharmacy, the Graduate School, the School of Public Administration, or the School of Library Science the Dean or Director of the School concerned will sit as an active member of the Administrative Board.

missions, with instructions to investigate and discuss conditions along this line and to make a report to the President.

Following the formal report made on the deliberations and recommendations of the above committee the work was felt to be of enough importance to justify the organization of a division with a dean and administrative board and with a province embracing not only matters of admission but those of general administration of regulatons also. In the matter of admissions it is expected that the Administrative Board of this division will at its regular and special meetings continually keep a live and constructive interest in the establishment of policies and plans for improving the quality of our student body.

THE DIVISION OF STUDENT WELFARE

GENERAL STATEMENT

The Division of Student Welfare was established to coördinate and promote the work of all University agencies and organizations affecting the welfare of students. Its work is understood to embrace all University relationships with students other than formal instruction. These relationships all have educational significance and are recognized as an integral part of the educational program of the University.

In recent years of University growth many agencies have come into existence to promote in various ways the wholesome growth of students and student life. To relate most effectively the respective functions of such agencies and to focus the entire guidance resources of the institution on the particular needs of students both as individuals and as groups is the responsibility of this division through its Administrative Board.

*THE ADMINISTRATIVE BOARD

Allan Wilson Hobbs
Mrs. Marvin Hendrix Stacy
Dudley deWitt Carroll
Robert Burton House
John Coriden Lyons
William Stanley Bernard
English Bagry
Harry Fulcher Comer
Walter Reece Berryhill
Robert Baker Lawson
Robert Allison Fetzer
J. Maryon Saunders
Livingston Bertram Rogerson
Carl Snavely
Edward McGowan Hedgpeth
Harper Barnes
Oliver Kelly Cornwell
Harold Diedrich Meyer
Corydon Perry Spruill
Marion Rex Trabue
Edwin Sidney Lanier
Frances Foster Bradshaw, *Chairman*

Because of the intimate relationship of this division to student life, there is an Advisory Board composed of students appointed annually by the President of the University on the joint nomination of the President of the Student Body and the Chairman of the Board. The following students were appointed for 1935-1936:

Don Kennedy McKee
Frank Willingham
**Francis Hilliard Fairley
Charles Aycock Poe
Philip Gibbon Hammer
Hubert Hinton Rand
Luther Columbus Bruce
Jane Amelia Ross
Billy Francis Yandell
**Rufus Adolphus Pool, *Chairman*

* The President and the Dean of Admissions are *ex officio* members of this Administrative Board.

**Upon the retirement in February, 1936, of Mr. Pool from the Advisory Board, Mr. Fairley was made Chairman.

STUDENT GOVERNMENT

The student body of the University is self-governing. The functions of this government are both disciplinary and constructive. These functions are exercised by the Student Council.

THE STUDENT COUNCIL, 1935-1936

*Rufus Adolphus (Jack) Pool, Chairman, *ex officio*
Thomas Moore Evins, Vice-President
John Johnston Parker, Jr., Secretary

Clyde Edward Mullis
James Brown Craighill
Ernest Marvin Allen
John David Smith
Francis Irving Anderson
Melvin Bowman Smith
*Francis Hilliard Fairley

The Student Council is composed of nine members, as follows: Representatives of the three upper academic classes, one representative from each of the professional schools of Law, Medicine, and Pharmacy, one representative elected by the other seven members of the Council, and the President of the Student Body. The member elected on the Council must be chosen from among those who have served on the Council before. The President of the Student Body is *ex officio* Chairman of the Council.

Student government, in so far as it is disciplinary, is based upon the honor principle. No code of rules is laid down to direct a student what to do and what not to do. The only standards are those of morality and gentlemanly conduct. The Student Council is the executive expression of the honor principle. It is the concrete expression of the moral University. Its members being elected of the students by the students, it is grounded upon, and gives expression to, student sentiment. The Council is not an organization of policemen, nor is it based upon a system of espionage. When any student is felt by his fellow students to be unworthy to remain in the University, the Council takes cognizance of this feeling. It examines the matter, finds the facts in the case, and decides upon the course to be pursued. If the student is found guilty of conduct unworthy of a University man, he is promptly required to withdraw from the University. Among the offenses demanding withdrawal may be mentioned drunkenness, cheating, and gambling.

* Upon the retirement in February, 1936, of Mr. Pool from the Council, Mr. Francis Fairley was made Chairman.

THE UNIVERSITY LIBRARY

Robert Bingham Downs, A.B., M.S., *Librarian*

The University Library contains more than 320,000 volumes. It is housed in a new library building completed in July, 1929. The seating capacity is one thousand readers, the present book capacity is approximately 300,000 volumes. In addition to the resources of the general reference rooms, the Library has a collection of 51,213 bound periodicals. Three thousand four hundred and sixty-one current periodicals, newspapers, and transactions of various societies, continuing and supplementing the bound sets, are subscribed for or secured through exchange annually.

Brief instruction in the use of the card catalogue, the periodical indexes, and the reference books generally, is given to new students at the beginning of each year.

Subscribers to the Library are the students and the members of the faculty. Other persons who desire to use the Library may become subscribers upon payment of the regular library fee of $4.00 a year, $1.00 for three months, or 50 cents a month. Persons who are not subscribers may not borrow books on a subscriber's name.

A student who owes the Library for fines or lost books will not receive academic credit until the indebtedness has been settled.

THE UNIVERSITY OF NORTH CAROLINA PRESS

WILLIAM TERRY COUCH, *Director*

BOARD OF GOVERNORS

*NATHAN WILSON WALKER, Ch'm'n.
WILLIAM CHAMBERS COKER
ROBERT BURTON HOUSE
HOWARD WASHINGTON ODUM
GEORGE COFFIN TAYLOR
FRANK PORTER GRAHAM
RUSSELL MARVIN GRUMMAN
ROBERT HASLEY WETTACH
GUSTAVE ADOLPHUS HARRER
RUPERT BAYLESS VANCE
CHARLES WALTER TILLETT, JR.
HENRY MCGILBERT WAGSTAFF
CORYDON PERRY SPRUILL, JR.

The University of North Carolina Press was incorporated on June 12, 1922. The objects for which it was established are: (1) to publish periodicals devoted to the advancement of learning and produced at the University by or under the direction of the Faculty; (2) to publish catalogues, bulletins, and other documents pertaining to the University and its various schools and departments; and (3) to promote generally, by publishing deserving works, the advancement of arts and sciences and the development of literature.

The Press was established upon the authority of the Board of Trustees of the University, is a non-stock corporation, is financed in part by the University, and is managed by a Board of Governers drawn from the Faculty and Board of Trustees.

In addition to the publication of books, the Press has established three series of studies under the title: The University of North Carolina (1) "Studies in Language and Literature," (2) "Studies in Social Science and History," and (3) "Studies in Science." The Press also publishes the following periodiocals: *The Journal of the Elisha Mitchell Scientific Society; Studies in Philology; The James Sprunt Historical Studies; The High School Journal; Social Forces; The North Carolina Law Review; The University of North Carolina Extension Bulletin; The University News Letter; The University of North Carolina Record.*

The Press office is located in Alumni Building. The agents of the Press for Great Britain and the British Dominions are respectively *The Oxford University Press,* London, for books and studies; *The Cambridge University Press,* London, for periodicals. A complete list of publications issued by the Press will be supplied to any address on request.

*Absent on leave, 1935-1936; died 13 February, 1936.

THE INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE

Howard Washington Odum, Ph.D., LL.D., Litt.D., *Director.*
Katherine Jocher, Ph.D., *Assistant Director.*

BOARD OF GOVERNORS

Frank Porter Graham
Dudley deWitt Carroll
Margaret Messenger Edwards
Arthur Melville Jordan
Joseph Gregoire deRoulhac Hamilton
Albert Ray Newsome
Howard Washington Odum
William Whatley Pierson
Marion Rex Trabue
Maurice Taylor VanHecke
Rhett Youmans Winters

STAFF

Ernest Rutherford Groves, A.B., B.D., *Research Professor*
*Thomas Jackson Woofter, Jr., Ph.D., *Research Professor*
*Clarence Heer, Ph.D., *Research Professor*
Roy Melton Brown, Ph.D., *Research Professor*
Harriet Laura Herring, A.M., *Research Associate*
Katharine Jocher, Ph.D., *Research Associate*
Guy Benton Johnson, Ph.D., *Research Associate*
Rupert Bayles Vance, Ph.D., *Research Associate*
Edwin Marvin Perkins, J.D., *Research Assistant*
Stanley Scott Stevens, A.M., *Research Assistant*
Olive Matthews Stone, A.M., *Junior Research Assistant*
Bennett Harrison Wall, A.B., *Junior Research Assistant.*

The Institute for Research in Social Science was organized in 1924 with the appointment by President Harry Woodburn Chase of a Board of Governors composed of representatives from the fields of history, government, economics, sociology, rural social-economics, publications and library administration, and educational psychology. This Board being flexible, new members being recommended by the Board of Governors and appointed by the President, was later augmented to include three representatives from history and government, two from economics, one from the disciplines already mentioned, to which was added the Dean of the School of Law. In 1933, after the organization of the Consolidated University to include the University at Chapel Hill, the Woman's College at Greensboro, and the State College of Agriculture and Engineering at Raleigh, representatives of the last two institutions were added to the Board and began functioning in their capacity of general planning and approval of research programs and budgets.

* Absent on leave, 1935-1936.

The present plan of organization of the Institute provides for a Director, an Assistant Director with an assignment as Research Associate also, and a central office with an adequate clerical staff through which assistance is rendered to Institute members and faculty members and through which a central coördinating agency has been set up. The research staff of the Institute is composed of full-time research professors, research associates, and research assistants, in addition to part-time asignments made to individuals in accordance with the research programs adopted and followed out from year to year.

The functions of the Institute are threefold. First, to encourage and stimulate research in the social sciences at the University of North Carolina, to discover and develop research personnel, and in particular to map out and plan for a research program through which facilities may be more abundant and coördination and integration more articulate. A second is the specific function of the Board of Governors to plan, legislate, and give general direction to the Institute program. And the third function is assigned to the Director and Assistant Director of the Institute, who, with the President of the University, are authorized to carry on details of administration, to supervise any general research activities and projects coming under the direction of the Institute, and to coöperate with particular faculty members or other directors of specific research projects.

The relation of the Institute to the University is more nearly analogous to the schools and major divisions of the institution than is any other similar organization. Its research professors and research associates have the rank of professors and associate professors in the University with all their privileges and obligations, but with the general allocation of not less than two-thirds time devoted to research with one-third time devoted to teaching. The principal sources of financial support have been the Laura Spelman Rockefeller Memorial and the Rockefeller Foundation, with additional funds from other agencies and individuals, with specially allotted funds on occasion, and from the University. There have been substantial returns from the Institute's publications of which some 60,000 copies have been sold.

Types of research aid have extended over a wide range. Due to a "planned" research program for a particular state and regional setting with particular opportunities, one of the first needs was to provide research specialists for certain fields, to give them desirable status, and to provide adequate assistance for them. Closely correlated with this, a second type of research aid is that of research assistants, an annual appointment, whose function it is to aid either research professors and associates or to be assigned to aid other university professors in the prosecution of research projects accepted by the Institute. The duties of these research assistants are clearly differentiated from those of university fellows in that the assistant's task is to help in

a particular problem to which he is assigned as opposed to the principle of the fellowship in which the money is allocated to the individual to help him in his work. A third type af assistance is that rendered to individual professors in any of the departments of social science in the prosecution of scholarly research or publication.

The studies and materials of the Institute over a ten-year period have been grouped for practical purposes under four main categories, with the following number of titles, either published or in manuscript form, classified according to each division: economic and industrial studies—29 manuscripts and published volumes and 21 published articles; history and regional culture studies—26 and 14; the Negro and folk-regional background—40 and 34; social problems and social policy—67 and 21. The objectives and ideals of the Institute are projected with a view to as much cultural inventory of the State and region as is possible, featuring what might be called a demographic approach, in which the several disciples would be combined rather than in specializing in the several social science disciplines. If the research staff, over a ten-year period since 1924, be classified according to disciplines, the following is an approximate grouping: economics 17, sociology 14, history and government 8, education 7, rural social-economics 7, law 4, with one or two folk studies assigned in connection with the Department of English.

The policy underlying the general planning and execution of research programs and projects has tended to emphasize, in addition to the state and regional laboratory factors, long-time research, susceptible, however, to units available for shorter-time completion. Although projects are selected with a dominance of state and regional subjects, priority is given to those subjects which would have generic value in both the practical results and the possible methodology which might be evolved.

Additional information and application blanks for appointment to research assistantships may be obtained by writing to the Institute for Research in Social Science, The University of North Carolina, Chapel Hill, North Carolina.

THE FOLKLORE COUNCIL

Russell Marvin Grumman, *Director.*

Ralph Steele Boggs, *Archivist.*

Robert White Linker, *Secretary-Treasurer.*

*EXECUTIVE COMMITTEE

Felix Alexander Grissette

Glen Haydon, *Chairman,* Institute of Folk Music

Robert Burton House

Arthur Palmer Hudson, *Acting Chairman,* Division of Oral Literature

Mrs. Corinne McNeir, *Acting Chairman,* Division of Arts and Crafts

**ADVISORY BOARD

Eston Everett Ericson
Paul Green
Frank Porter Graham
Guy Benton Johnson
Frederick Henry Koch
Phillips Russell

The Folklore Council was organized in September, 1935, to promote the coöperation and coördination of all those interested in folklore, and to encourage the collecting and preserving, the study and interpretation, the active perpetuation and dissemination of all phases of folklore. Folklore is defined by the Council as embracing all cultural aspects of folk life.

The Council represents a reorganization of The Institute of Folk Music, which was started in September, 1931, and which now becomes a division of the Council. It was found that there was need for a comprehensive organization to unify and stimulate the variety of interests in folklore represented in the membership of the former Institute of Folk Music. There are at present three Divisions of the Council, namely: The Institute of Folk Music; The Division of Oral Literature; and The Division of Arts and Crafts.

* The three general officers named above are members of the Executive Committee.
** The members of the full Executive Committee are members of the Advisory Board.

THE INSTITUTE OF FOLK MUSIC

Glen Haydon, *Chairman.*
Richard Chase, *Field Representative.*

Advisory Board

Phillips Barry
Mrs. John P. Buchanan
Mrs. Eugene Davis
Paul Green
Isaac Garfield Greer
George Pullen Jackson
George Lyman Kittredge
John Powell
Joseph Hyde Pratt
Phillips Russell
Jan Philip Schinhan
Josephine Sharkey
Reed Smith
Lamar Stringfield
*Maude Minnish Sutton
Winston Wilkinson

The Work of the Institute

The Institute of Folk Music was originated for the purpose of developing creative music distinctly American. Its work is divided into the following phases: 1. Research: discovering, collecting, and publishing native folk-music; 2. Educational work: (a) teaching traditional songs and dances in schools and communities, (b) organizing county folk festivals and "old-time-music" conventions, (c) publishing English and American folk songs and folk dances for educational and social use in schools and communities; 3. Creative composition based on folk music.

The Annual Dogwood Festival and the North Carolina Symphony Society were initiated by the Institute of Folk Music. These organizations are now independently incorporated but continue to work in close coöperation with the Institute. The program of the Dogwood Festival is largely a culmination of activities of the Institute and the other divisions of the Folklore Council.

The University of North Carolina Press is publishing a book on "Traditional Ballads, Songs, and Singing Games," by Richard Chase.

* Deceased.

PUBLIC LECTURES

THE JOHN CALVIN McNAIR LECTURES

HENRY HORACE WILLIAMS, *Chairman*

The lecture fund established by the will of John Calvin McNair, of the class of 1849, became available in 1906, and the interest therefrom rendered it possible to begin the lectures in 1908. The lectures are given once every two years. The honorarium for the lectures amounts to $1000 and the remainder of the interest from the fund provides for the suitable publication of the lectures. Under the will the objects of the lectures "shall be to show the mutual bearing of science and religion upon each other and to prove the existence of attributes (as far as may be) of God from nature."

THE WEIL LECTURES

DUDLEY DEWITT CARROLL, *Chairman*

During the years 1914-1915 an unendowed lectureship on American Citizenship was established by the University. The first incumbent was ex-president William Howard Taft, who lectured on "The Presidency: Powers, Duties, Obligations, and Responsibilities." Since that time this foundation, named the Weil Lectures on American Citizenship, has been permanently established through the generosity of the families of Mr. Sol Weil and Mr. Henry Weil, of Goldsboro, N. C.

THE UNIVERSITY EXTENSION DIVISION

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President.*
Robert Burton House, A.M., *Dean of Administration.*
Russell Marvin Grumman, B.H., *Director.*
Edgar Ralph Rankin, A.M., *Head, Department of School Relations.*

*THE ADMINISTRATIVE BOARD

Dudley deWitt Carroll, M.A.
†Wesley Critz George, Ph.D.
Allan Wilson Hobbs, Ph.D.
Samuel Huntington Hobbs, Jr., Ph.D.
Robert Burton House, A.M.
William John McKee, C.E., Ph.D.
Howard Washington Odum, Ph.D., LL.D., Litt.D.
William Whatley Pierson, Ph.D.
**Herman Glenn Baity, Sc.D.
††Nathan Wilson Walker, A.B., Ed.M.

BUREAU CHIEFS

Samuel Huntington Hobbs, Jr., Ph.D., *Chief, Bureau of Economic and Social Surveys.*
Dudley deWitt Carroll, A.B., *Chief, Bureau of Commercial and Industrial Relations.*
Mary Louisa Cobb, A.B., *Chief, Bureau of Correspondence Instruction.*
Glen Haydon, Ph.D., *Chief, Bureau of Community Music.*
Frederick Henry Koch, A.M., Litt.D., *Chief, Bureau of Community Drama.*
Harold Diedrich Meyer, A.M., *Chief, Bureau of Recreation.*
Nellie Roberson, A.B., *Chief, Library Extension Department.*
Marion Rex Trabue, Ph.D., *Chief, Bureau of Educational Information and Assistance.*
Edward James Woodhouse, B.A., LL.B., *Chief, Bureau of Municipal Government Research and Information.*
Kathleen Wright, *Chief, Bureau of Class Instruction.*
Corinne Crawford McNeir, B.A., *Field Representative in Art.*

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* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

**Absent on leave, 1935-1936.

† Absent on leave, fall and winter quarters, 1935-1936, on the Kenan Foundation.

††Absent on leave, 1935-1936; died 13 February, 1936.

GENERAL STATEMENT

By means of correspondence instruction, extension classes located in all parts of the State, radio lectures, extension library service, reading courses community dramatics, interscholastic activities, and a variety of publications, the University of North Carolina, through the Extension Division, is relating itself closely with the life of North Carolina. The University campus is now virtually coterminous with the boundaries of the commonwealth.

Starting as a Bureau of Extension in 1912 under the leadership of Dr. L. R. Wilson, former University Librarian, the idea of university extension was clarified and expanded under the administration of the late President Edward Kidder Graham. In 1921, in conformity with standards established by the National University Extension Association, the work was organized as a major division of the University by President Harry W. Chase.

In his inaugural address, November, 1931, President Frank Porter Graham defined the purposes of university extension thus: "It is the function of the state university not only to find its bits of truth and teach the truth gathered from scholars everywhere, but to carry the truth to the people that they may take it into their lives and help to make it prevail in the world of affairs. It is the ideal of the University Extension Division to make the resources of the universities, the discoveries of science, and the findings of the social scientists available for the people of the commonwealth."

The Extension Division is the administrative agency through which are conducted the extension activities of all the University's departments. Within recent years, moreover, the Division has developed a specialized program of adult general and professsional education unrelated to the work of the resident departments. Other educational services are being offered men and women whose formal schooling has ended, but who still desire to continue their education regardless of higher academic awards. In meeting the demands of this growing group, the future of the University Extension Division as an agency for adult education holds the greatest promise of development.

BUREAU OF CLASS INSTRUCTION

Extension courses in regular University subjects are offered in communities throughout the tate. These courses are taught by members of the University Faculty and, when all requirements are met, give the same credit as courses in residence. Those not wishing degree credit are also eligible to enroll in extension classes. The classes usually meet one evening a week for sixteen weeks, for which a half course or two semester hours of degree credit may be earned. The fee for each half course is $7.50. An individual or group wishing to organize an extension class should make written application to the

University Extension Division, giving the following information: probable number of enrollments, general type of persons who wish to join the class, course desired, when and where the class wishes to meet, and who will have charge of the local arrangements.

Courses Offered

The Extension Division attempts to offer most of the courses listed in the University Catalogue in any community where a sufficient number of people desire to enroll.

In order to conserve space, all other information and regulations concerning extension courses are omitted here but may be secured by sending a written request to the University Extension Division.

In-Service Teacher Training

Working in close coöperation with the Department of Education the Division conducts a specialized and carefully arranged program for the training of teachers now working in the schools of the State. The aim of this program is to improve instruction in the schools and to offer opportunities for the professional growth of teachers.

BUREAU OF CORRESPONDENCE INSTRUCTION

All information and regulations concerning correspondence courses offered by the University are contained in the catalogue of Correspondence Instruction issued separately. One hundred, thirty courses are available.

LIBRARY EXTENSION DEPARTMENT

The aim of the Library Extension Department is to encourage discussion of current political, social, and economic problems, as well as to assist in the study of good literature. Reference material is supplied for such study.

One section renders assistance with programs and reference material, usually of a literary nature, to women's clubs and study groups, for which service a small charge is made. Another section renders assistance to schools, both to students and teachers, as well as to other individuals not organized in group study. This material is usually on current problems of a political, social, or economic nature.

BUREAU OF LECTURES, SHORT COURSES, AND RADIO

The University conducts a lecture bureau for the purpose of aiding schools, civic clubs, and other organizations in obtaining speakers. Addresses for special occasions, such as schools and college commencements, are also arranged upon application.

No fee for lecture service is charged, but the traveling and incidental expenses of the lecturer are to be defrayed by the organization

for which the lecture is made. Lecture courses also may be arranged.

From time to time the University has held at Chapel Hill short courses or institutes for various organizations and groups. These consist in an intensive training program or course ranging in duration from one day to two weeks. The program is composed of a specialized series of lectures, discussions, and demonstrations directed by leading speakers and teachers secured from the faculty of the University and from the State and nation. Short courses have been offered to high school athletic directors, welfare workers, parents, secretaries of chambers of commerce, police officers, realtors, photographers, and members of the State Press Association.

In addition to those mentioned above, the Division will be glad to aid other organizations or groups in arranging for a short course, institute, special meeting, or convention.

Individual lectures and lecture courses by members of the faculty and entertainment programs by University musical and dramatic organizations are broadcast each year through the courtesy of radio stations in Durham and Raleigh.

BUREAU OF COMMUNITY DRAMA

The services of the Bureau of Community Drama are available to all schools, colleges, and communities throughout the State. Suggestions and advice on play production, and aid in solving any particular problem of the director of dramatics may be obtained from this bureau.

Assistance is given in organizing, in play selection, in the designing and making of scenery, in costuming, and in make-up ad lighting. Arrangements may be made for assistance in the direction of a chosen play.

The bureau has at its disposal more than two thousand volumes of play books, books on acting, play production, little theatre organization, play writing, stagecraft, lighting, costuming, make-up, etc. These are loaned upon payment of the postage and packing charges. By giving practical assistance to those interested in writing and producing plays, the bureau is seeking to promote and encourage dramatic art in the schools and communities of North Carolina, and to stimulate interest in the writing of native drama.

BUREAU OF COMMERCIAL AND INDUSTRIAL RELATIONS

This bureau is under the supervision of the School of Commerce of the University. The members of the staff coöperate with the manufacturing, banking, and commercial interests of the State in the solution of any problems brought to their attention. Laboratories, statistical information, research methods, interpretative devices, and expert opinion are available for use by any worthy individual or

organization. Problems may be submitted for study and opinion, or arrangements may be made for a member of the staff to visit the establishment or community for first-hand observation and study.

BUREAU OF COMMUNITY MUSIC

The Department of Music offers the following services: (1) leadership for community sings; (2) formation of community choruses; (3) lectures on public school and community music; (4) piano, violin, and organ recitals; (5) advisory service to schools; (6) concerts by the University Symphony Orchestra, the Symphonic Band, and the University Glee Club.

BUREAU OF MUNICIPAL GOVERNMENT RESEARCH AND INFORMATION

This bureau answers specific inquiries with reference to legislation, charters, and other matters covering city and town government. Through the Library Extension service bibliographies, reading lists, and books on municipal subjects are loaned. The bureau also undertakes to advise town and city officials concerning their problems, and to direct them to sources of assistance.

BUREAU OF ECONOMIC AND SOCIAL SURVEYS

Before a definite movement is inaugurated to upbuild a county or community from an economic and social standpoint it is necessary to have at hand an accurate summary of existing facts. What is known as the "social survey" is the best method of securing such facts.

For years the Department of Rural Social-Economics of the University has been collecting data on social and economic conditions in North Carolina. This material is available through loans from the library, articles in the *University News Letter,* and bulletins which record the results of a number of county surveys. *The University News Letter,* which is edited by this department, appears twenty-five times each year.

BUREAU OF RECREATION

This bureau offers service in public recreation and leisure time problems through the School of Public Administration. Bibliographies and reading lists on the subjects of sociology, community organization, etc., are provided upon request.

BUREAU OF HIGH SCHOOL DEBATING AND ATHLETICS

The University Extension Division, through this bureau, offers service to the high schools of the State by means of contests in debating, athletics, and academic subjects.

The High School Debating Union of North Carolina is the medium through which assistance in debate is offered. This organization was established in 1912-1913. Approximately two hundred high schools,

grouped in triangles, discuss some important question each year. The schools winning both debates send their teams to the University to compete during High School Week in the final contest for the Aycock Memorial Cup.

The High School Athletic Association of North Carolina is the agency through which assistance in athletics is offered. This association conducts State high school contests in football, basketball, boxing, wrestling, baseball, track, soccer, golf, and tennis. The high schools compete in groups for the honor of representing the eastern and western sections of the State, and the teams winning the sectional contests meet at Chapel Hill in the finals. Approximately three hundred schools are members of this association.

The high school contests in academic subjects are conducted jointly by this bureau and by the University departments concerned. Academic contests are conducted in Latin, Spanish, French, and mathematics. High school newspaper, magazine, and essay contests are also conducted.

BUREAU OF EDUCATIONAL INFORMATION AND ASSISTANCE

The bureau is maintained through the coöperation of the Department of Education. The several members of the faculty of the Department offer to the State the following lines of service: educational tests and measurements; school surveys; teachers' appointments; advice and counsel with reference to school buildings, equipment, and general administrative problems.

EXTENSION TEACHING AND THE PRESENT ECONOMIC EMERGENCY

Realizing that financial conditions throughout the State make it prohibitive for many persons to attend college or to continue their advanced studies, the Division is offering several economical plans for college and adult education of special interest to recent graduates of North Carolina high schools. These plans are described in an issue of the *Extension News* which will be sent upon request.

OTHER SERVICES

Visual Instruction. The Chronicles of America Photoplays are distributed in North Carolina and South Carolina in coöperation with the Yale University Press Film Service.

Parent-Teacher Association. The work of the extension field representatives of the North Carolina Congress of Parents and Teachers is administered by the Division. Local associations interested should write to the Director for information.

Art Extension. Circulating exhibits of protographs, color reproductions of famous painting, and original works of art, are loaned under special conditions. Historical and critical material may be secured to accompany the exhibitions. These and other aids in art education including the services of the Field Representative in Art are available.

PART THREE

COMMENCEMENT

ONE HUNDRED AND FORTIETH COMMENCEMENT

1935

Sunday, June 9th

BACCALAUREATE SERMON, DR. JAMES H. FRANKLIN

LAWN CONCERT—MEMORIAL CHIMES

REUNION SUPPERS

"MASS, E FLAT"—Schubert, CHORAL CLUB

Monday, June 10th, Alumni Day

ANNUAL MEETING OF THE ALUMNI

ALUMNI LUNCHEON

LAWN CONCERT—MEMORIAL CHIMES

REUNION CLASS SUPPERS

FOLK PLAYS, CAROLINA PLAYMAKERS

ALUMNI RECEPTION AND ALUMNI BALL

Tuesday, June 11, Class Day and Graduation Exercises

OPEN AIR RECEPTION—PRESIDENT AND DEANS

MEMORIAL CHIMES—LAWN CONCERT

TUESDAY EVENING, JUNE 11th, GRADUATION EXERCISES
KENAN STADIUM

ADDRESS—Mrs. Anna Eleanor Roosevelt

PRESENTATION OF DIPLOMAS BY
His Excellency, John C. B. Ehringhaus

AWARDING OF HONORARY DEGREES

DEGREES IN COURSE

Bachelors of Arts

*Jules Bryan Aaron
Olivia Abernethy
Eben Alexander, Jr.
Laurens VanHook Anderson
Eugene Cleveland Bagwell, Jr.
Agnew Hunter Bahnson, Jr.
Fred Fries Bahnson
Harold Kimsey Bennett
William Audley Lippencott Bonyun
‡William Thomas Bost, Jr.
John Anderson Brabson
Francis Beall Breazeale
Henry Clark Bridgers, Jr.
†Eliza Isabelle Buckles
†Virginia Elizabeth Buckles
John Fredric Butler
‡Lois Tomlinson Byrd
Anne Candler
‡Jean Smith Cantrell
Overton Wilson Clayton, Jr.
Ben Davis Coffield
Edwin Wilson Coffin
James Filmore Cook
Mary Virginia Copeland
Anna Speas Coppedge
Jane Mayfield Cover
Branch Craige, Jr.
John Arthur Crawford
Jack Chaucer Delbaum
Kalman Norman Diamond
*‡Alonza Thomas Dill, Jr.
Morris Ditch
Mark Stevenson Dunn
Malcolm Edwin Everett, Jr.
Joseph Arthur Farmer
Erma Fisher
†Jane Clayton Forgrave
Herman Howe Fussler
Charles Kurtin Gardner
Ralph Webb Gardner
William Irving Garis
Robert Goldberg
Nancy Gordon
Albert Greenberg
Leo Greengold
Ezra Ennis Griffin, Jr.
Mary Vivian Grisette
Sidney Lee Gross
‡Donah Wood Hanks, Jr.
Betty McLean Hansen
Francis Fisher Sater Harrell
‡Peggy Anne Harris
Henry Dockery Haywood
†Herbert Richard Hazelman
Elmina Hughes Hearne
Malcolm Griffin Heath, Jr.
Frederick Gustave Henderson, Jr.
Mary Elizabeth Hendren
Dewey Tate Holt
Fred Ervin Howard, Jr.
Thomas Parsons Howell
Alice Norman Hutchins
*Dorothy Lavinia Insley
Polly Lea Jacobson
William Bizzell Johnson
Irving Kasen
Jack Earl Kendrick
Samuel Kesselman
*‡Edith Christina Kneeburg
Elsie Scott Lawrence
Frederic Chapin Litten
Charles Edward Lloyd
Milton Lozowick
Margaret Belle McCauley
Margaret Elmore McDonald
Herbert Stacy McKay
Patricia Mary McMullan
William Edward McNair
James David Mallonee, Jr.
Howard Edwards Manning
Edward Watts Martin
James William Mehaffy
Eric Proctor Metzenthin
Hal Curtis Miller, Jr.
*John Marion Miller
Nathan Miner
William Thomas Minor, Jr.
‡James Harris Morris
William Lex Moser
Ellen Alice Murchison
*Walter Wickerle Oakley, Jr.
*William Thomas Old, Jr.
Margaret Olmsted
*Thomas Leake Parsons
F. M. Simmons Patterson
Henry Charles Pearson
*Charles Ashby Penn, Jr.
Lydia Amy Person
John Anthony Petrillo
Charles Aycock Poe
Nicholas Holmes Powell
‡Charles Alexander Pratt
Rene Maurice Prud'hommeaux
Leonard Arnold Rapport
Louis Salvatore Riccardi
Durant Waite Robertson, Jr.
George Catlett Rowe
*Vermont C. Royster II

* Absent by permission. ‡ In Journalism. † In Music.

Robert Chester Ruark, Jr.
Louis Salerno
Zack Witten Sanders
*Bernard Harold Saperstein
Nathan Schwartz
Mary Tracy Scobee
Charles Willis Sensenbach
Douglas Huse Shedd
Margaret Ernestine Siceloff
Arthur Simkovitz
†Lee Chamness Sistare
Julia Wood Skinner
Harry Binder Stein
James Linley Stephens
Azalia Doris Strange
Joseph J. Sugarman, Jr.
*William Dixon Tennant
Walter Matthews Terry, Jr.
†Carl George Thompson, Jr.
*Lawrence Sidney Thompson
Irvin Burchard Tucker, Jr.
Anna Louise Tunstall
John Martyn Voegtlen
Milton Herbert Waldman
Nat Wilson Walker, Jr.
Vernon Albert Ward, Jr.
John Andrew Weissenfluh, Jr.
Robert Hackney Williams
‡Leonard Woodrow Wilson
‡Noel Marcus Yancey

Bachelors of Arts in Education

Mary Elizabeth Armbruster
Frank Watts Ashley
Jason MacGregor Auman
*Reuben Dennis Barham
John Alfred Barrett
Elijah F. Brooks, Jr.
Louis Alexander Brown
Vivian Mayo Bundy
Fred Pfohl Crouch
Thomas Haywood Curlee
James Arthur Doubles
Simpson Lindsay Efland
*Douthit Lawrence Furches
Hector Gialanella
Clarence Walton Griffin
*George Davis Hardesty
Paul Truman Harrell
*William Dewey Hinson
Yates Leander Holland
Rommie Laurins Holt
Mary Eloise James
Susan Dorothy Jenkins
Julius Poe Jenrette
Ida Flora Johnson
Thomas Howard MacDonald
Hugh Harrison Mills
Ralph Davis Myers
Taft S. Putnam
Stuart Wilson Sechriest
*Bess McCurdy Shewbert
§William Alexander Sigmon
Thomas Moorman Simkins, Jr.
Nathaniel Chatham Terry
James Thomas Underwood
*James Edgar Wadsworth
Ben Rutledge Wall, Jr.
Clement Manly Ward, Jr.
John Frederick Webb, Jr.
Lee Douglas Wellons
Frances Sarah White
Emmett James Withrow
Ralph Hartwick Woodward

Bachelors of Science in Chemistry

Foy Patrick Gaskins
George Lafayette George
Aldridge Kirk Hardee, Jr.
William Rogers Johnston
Charles August Rouiller, Jr.
Joseph Albert Taylor

Bachelors of Science in Geology

William Ray Johnson, Jr.
*Howard Engeler Vitz
Wynant Temple Wilday

Bachelors of Science in Medicine

Glen Eben Best
Edmond Edelson
Frank Edmondson, Jr.
Dennis Bryan Fox
Thomas Albert Henson
Constantine Hege Kapp
Morris Kransy
Julien Herman Meyer
Isadore Meyer Shevick
Walker Stamps
William Kirk Swann
Harry Swain Willey, Jr.
Rhoderick Thomas Williams

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*Absent by permission ‡In Journalism §As of 1934

Bachelors of Science in Chemical Enginereing

Walter Robert Bateman
Jack Billings Crutchfield
Richard Dow Haynes
Floyd Dorian Higby, Jr.
*Blair Holliday
Richard LeRoy Huber
Mahlon Kline Jordan
John Wesley Kirby, Jr.
Edwin Lavender Laxton
Bruce Scott Old
William Barrett Rose, Jr.

Bachelors of Science in Civil Engineering

Walter Winburne King, Jr.
Wyatt Hamilton McNairy
Paul Lowrey Onasch
Paul Leonard Verburg

Bachelors of Science in Electrical Engineering

Joseph Gaston Farrell, Jr.
Joseph Giobbi
James Conrad Little
William Layton Ridenhour
Andrew John Snively
Robert VanSleen

Bachelors of Science in Mechanical Engineering

Julian Decatur Maynard
James Malcolm Rennie
Lyndon Sanford Tracy, Jr.
Roscoe Bates Wilson, Jr.

Bachelors of Science in Commerce

Franklin Pierce Abernethy, Jr.
Stuart Cruickshank Aitken
Esley Offit Anderson, Jr.
*Dominick Robert Barbano
William Claude Barfield
Walter Carstarphen Bateman, Jr.
Howard Ward Beebe
Beatty Scott Blanton, Jr.
George Blanton, Jr.
George Washington Capehart, Jr.
Walter Charlton Carson
Augustus Lynch Cline
James Eppinger Cope
William David Croom, Jr.
Paul Plato Davis
Robert Brent Drane
Albert Joseph Ellis
Henry McQueen Emerson
Ira M. Frankel
Claude Quarterman Freeman
Alexander Mason Gibbes
Melvin Lee Gillie
John Wadsworth Gunter
Louis Robertson Hampton
William Burwell Harrison
Herbert Henry Harriss, Jr.
Sherwood Hedgpeth
George Leon Hooks, Jr.
Rufus Donzell Johnson
*Absent by permission
Frank Hawkins Kenan
Lindsay Lawlor
Richard Henry Lewis, Jr.
James Harold Long
Henry J Lunsky
Levin David Lynch III
Coy Ernest McAdams
William Dills McKee
§Roscoe Drake McMillan, Jr.
Henry Garvin May
John Sharpe May
John Franklin Mewborne
George Reid Parks
Lewis Albert Peeler
James Bryant Person
William Calvin Pitt, Jr.
Julian Hines Raney
Charles Taylor Rawls
Lewis Sentelle Reagan
Charles Floyd Rhinehart, Jr.
Harry Edward Riggs
William Bartram Robeson, Jr.
Joe Hull Robinson
Thomas Jefferson Robinson
Brainard Blanton Rorison
Charles Milton Shaffer
*William Weimer Sloan
Bernard Straus Solomon
Ernest Irving Stadiem
Robert Harold Staton
Sidney Joseph Stern, Jr.
Colin Stokes
Geneva Helen Surratt
Warner Lewis Tabb, Jr.
James Moore Tatum
George Royster Taylor

* Absent by permission.

§ As of 1934.

William Gaston Vinson
Joseph Edmund Waldrop
Joseph Cheshire Webb
John Bowers Wiggins
Thomas Graham Wilburn
Clyde Irwin Williams
Francis Helman Wilmer
Julian Dallas Winslow
Kenneth Wharton Young

Bachelors of Science in Public Administration

Hessentine Borders
*David William Frye
Mary Cook Green
Ada Kathleen Hunsucker
Evelyn Winfield Jenkins
Betsy Rose Jones
Rufus Adolphus Jack Pool
William Chace Smithson

Doctors of Law

Joseph Lee Carlton
Harry Woodrow McGalliard
John Augustus Kleemeier, Jr.

Bachelors of Laws

Joel Barber Adams (With Honors)
Charles Bonner Allen
Albert Wallace Cowper
Dorothy Daniels
Leonard Eisenberg
Bernard Elias Ellisberg
Lee Jackson Greer, Jr.
Peter Wilson Hairston III
Thomas Allison Henry
William Harvin Jarrell
Arthur Mifflin Jenkins
John Robert Jenkins, Jr.
*Edgar Davis Kuykendall, Jr.
Zeb Vance Long, Jr.
William Sater Markham, Jr.
Warren F. Olmsted
J. Carlyle Rutledge
William Vass Shepherd
Louis Cherry Skinner
Herbert Hamilton Taylor, Jr.
George Davis Vick, Jr.
John Charles Wessell, Jr.
Emmett Clive Willis, Jr.
Joseph Goldberg Zaglin

Bachelors of Science in Pharmacy

Mary Alice Bennett
David Craig Purcell
Harmon Carlyle McAllister

Graduates in Pharmacy

Henry Clay Chapman
Fred Anderson Holt
Winfred Arlington Huntley
John D. Mitchell
Rebekah Moose
Logan Nyal Womble, Jr.

Bachelors of Arts in Library Science

Elizabeth Martha Ayscue
Mary Ida Blackburn
Catherine Treanor Cline
John Wesley Dudley
Mary Nickels Dudley
Elizabeth Jane Durham
Bertha Wilson Edwards
Amy Steen Fetzer
*Absent by permission
Sarah Priscille Glenn
James Emerson Greenaway
Minnie Spencer Kallam
Nancy Russell McDaniel
*Milton Chamberlain Russell
Elizabeth Scott Walker
Winona Franklin Walker
Victoria Young

Masters of Science

Tsu Yuan Koo
*William Merrimon McKinney, Jr. (in Civil Engineering)
Hilliard Baxley Wilson
Edwin Weems Winkler (in Electrical Engineering)

* Absent by permission.

Masters of Arts

*Cecil Emory Abernethy
*Margaret Elinor Adams
Lillian Graham Allen
Sybille Kahn Berwanger
Harry Voorhies Bice
William Edward Boone
Connie Jones Burwell
Whitfield Cobb, Jr.
John David Frost, Jr. (with distinction)
Frances Hampton
Ernest Dewey Hancock
*Cornelia Ismae Hildebrand
*Hughes Bayne Hoyle, Jr.
Robert Douglas Hume
Martha Dabney Jones
Dan Mabry Lacy (with distinction)
Laurine Hicks McCain (with distinction)
Rosamond McCanless
Olive Elizabeth Newell
*Janie Carroll Rice
James Wickliffe Smith
James Kester Svendsen (with distinction)
*James William Webster
Alton Williams

Doctors of Philosophy

Claude Jackson Craven, Physics

Thesis: The Infrared Absorption of Aqueous Solutions of Various Copper Salts from 0.6 μ to 6.2 μ.

Henry Orello Farr, Jr., Chemistry

Thesis: Activity Coefficients of Lead Chloride in Solutions of Barium Nitrate: An Investigation Concerning the Debye-Hückel Ion Size Parameter.

Walter Gordy, Physics

Thesis: The Infrared Absorption of Solutions of Hydroxides and Hydrolyzing Salts.

Sadie Franklin Jenkins, English

Thesis: The Treatment of Tyranny in Elizabethan English History Plays.

Herbert Kimmel, Education

Thesis: The Training of Teachers in North Carolina as a Function of the State.

David Alexander Lockmiller, History and Government

Thesis: The Second United States Intervention in Cuba, 1906-1909.

Lyda Gordon Shivers, Sociology

Thesis: The Second Welfare Movement in the South. A Study in Regional Culture and Social Organization.

Wilburn Philip Smith, Romance Languages

Thesis: Jesús Castellanos, His Life and His Works.

Lewis Bellinger Stabler, Romance Languages

Thesis: Initiatory Study of Middle French Syntax, with Check-list.

Paul James Steele, Physics

Thesis: The Infrared Absorption Spectra of the Hydrolyzing Salts of Cobalt and Nickel in Solution.

Cecil Grady Taylor, Romance Languages (with distinction)

Thesis: French Tragedy and Tragic Theory, 1690-1715.

Arnold Ledgerwood Williams, English (with distinction)

Thesis: The Influence of the Genesis Commentary on the Genesis Material of Sir Walter Raleigh and Sir Thomas Browne.

John Hilliary Andrew Workman, Education

Thesis: The Administrative Reorganization of North Carolina Public Schools.

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* Absent by permission.

HONORARY DEGREES

Recipients presented on behalf of the University by Robert Burton House, Dean of Administration, at the University of North Carolina, Chapel Hill. Citations for the University by the President.

Doctors of Laws

James K. Hall
Rufus L. Patterson
Anna Eleanor Roosevelt
Holland Thompson

Doctor of Divinity

Wallace E. Rollins

BENEDICTION

Elected to Phi Beta Kappa, 1935:Barnaby Conrad Keeney, President; David Hamilton Scott, Vice-President; J. E. Barney, R. L. Barron, R. A. Berman, Percy Brown, Jr., J. C. Cordle, Branch Craige, Jr., T. L. Crowell Jr., T.W. Crowell, N. H. DeBardeleben, S. E. Elmore, H. McQ. Emerson, E. E. Eutsler, Jr., T. M. Evins, F. H. Fairley, Jane Clayton Forgrave, H. O. Gialanella, Mary Vivian Grisette, Polly Lea Jacobson, B. L. Kalb, A. S. Kaplan, J. E. Kendrick, G. J. Koch, C. E. Lloyd, J. G. Mebane, J. W. Mehaffey, R. M. Neel, Julia Wood Skinner, I. D. Süss, William Watson, J. B. Wiggins, B. S. Willis, S. P. Wilson, Donald Becker, J. S. Chapman, S. R. Collett, L. A. Cotten, A. F. Davis, P. G. Hammer, S. P. Hatch, N. R. Holland, C. M. Ivey, Jr., Margaret Belle McCauley, E. F. Moyer, J. E. Snyder, V. H. Whitney.

Elected to Sigma Xi, 1935: *Active—Full Membership*—J. F. Dougherty, H. A. Ljung, H. O. Furr, T. G. Harbison, P. J. Steele, Walter Gordy, C. J. Craven, W. R. Berryhill, G. W. Smith, *Associate Membership*—D. W. Wickens, S. B. Knight, J. R. Raper, Ruby R. Rice, Priscilla H. White, Frank Nicholson, C. E. Feltner, Dan Fore, W. L. Smith, W. F. Hunter, H. E. Vitz, W. R. Johnson, B. S. Old, Mrs. B. B. Wall, A. G. Lang, A. R. MacCormac.

Elected to the Order of the Coif, 1935: J. B. Adams, E. C. Willis, Jr.

MEDALS, PRIZES, AND FELLOWSHIPS

The Early English Text Society Prize—Laurine Hicks McCain.
The Eben Alexander Prize in Greek—Daniel Joshua Walker, Jr.
The Bryan Prize in Political Science—Alonza Thomas Dill, Jr.
The Hill Law Review Prize—Donald William Markham,
The Archibald Henderson Prize in Mathematics—Robert Francis Furchgott.
The Mary D. Wright Memorial Prize in Debate—John Whitfield Kendrick.
The Patterson Medal—Harry Webb Williamson.
The Ledoux Fellowship in Chemistry—Joseph Albert Taylor.
Delta Sigma Pi Scholarship Key—Herbert Henry Harriss, Jr.
The Graham Kenan Fellowship in Philosophy—Connie Jones Burwell and Eleanor Rouden.
The Algernon Sidney Sullivan Award—Agnew Hunter Bahnson, Jr.
The Lehn and Fink Medal in Pharmacy—David Craig Purcell.
The Carolina Playmakers Fellowship in Playwriting—Frank Wilbur Dorsett and Ella Mae Daniel.
The Joseph Lewis Graham Memorial Awards—Richmond Lindsay Barron and Nesbitt Rickert Holland.
The Chi Omega Prize in Sociology—Bernice Milburn Moore.
The Mangum Medal—Rufus Adolphus Jack Pool.
The Bingham Prize—Robert Philips Russell.

DEGREES CONFERRED IN AUGUST, 1935

Bachelors of Arts

Walter Thomson Britt
Chel Sheppard Clark
George Levering Crane
Thomas Worth Crowell
Francis Hilliard Fairley (with Honors in Economics)
Harry Tuft Fisler
Morris Gippin
William Clinton Harris, Jr.
Alvin Saul Kaplan
George Julian Koch
Virgil Jackson Lee, Jr.
Hattie Belle Mooring
George Rhoades
James Mathew Rogers
Margaret Lynch Ross
Mack Wallace
Henrietta Louise Weyher

Bachelors of Arts in Education

Mamie Alline Brandon
Ralph Hodges Gorham
Milton Warren Griffin
Fabius Julius Haywood, Jr.
William Freeman Henderson
Howard Causey Holland
William Robert Keats
Olin Niven
Russell Lee Powell
Harold Shade Sale
Emma Ruth Slagle
William Roosevelt Teachey
Norflete Reel Vincent
James Wright Williams

Bachelor of Science in Geology

Philip Ward Mattocks

Bachelors of Science in Electrical Engineering

John Dapp Hershey
Robert Matt Query

Bachelors of Science in Commerce

Manning Patrick Cooke
James Columbus Steele
Fred Russell Van Sant

Bachelor of Science in Pharmacy

Richard Speight Bunn

Graduates in Pharmacy

Roland A. Glenn
Joseph Phillips Richardson

Bachelors of Laws

Paul Jerome Seligson
Donald Blow Ward

Doctor of Laws

Welch Oliver Jordan

Masters of Science

Clinton Cyril Hudson
Joseph Everett Hunter, Jr.
Walker Fitch Hunter, Jr.
William Rogers Johnston
James Robert Harvin (in Electrical Engineering)
Postell Mood Nicholes, Jr.
David Anderson Pickler
Samuel A. Wideman

Masters of Arts

Loy Yount Bryant
Edward Samuel Christenbury
Marjorie Craig
Charles Walker Davis
Alexander Taylor Edelman
Rosalie Conn Elliott
Alfred G. Engstrom
Grover Cleveland Gaskin
Gertrude Knopf Gordon
Earl Horace Hartsell
Jeanne Mercedes Virginia Holt
Charles Cecil Huskins
Maxalynn Mourane
Montie McCrimmon Muse
Stuart Noblin
Neville Cornelia North
Frederick Butterfield Parker
William Glenn Parker
Estelle Popper
Sabra Lore Royall
George Lippard Sawyer
Annie Wilson Terry
Johnnie Lou Williamson
Robert Newton Woodworth

Doctors of Philosophy

Elwood Cortelyou Hunter
Chandler Shaw

THE CATALOGUE OF STUDENTS

The Graduate School, 1935-1936

(Note: No distinction is made in this list between admission to the Graduate School and admission to candidacy for a degree. When no institution is mentioned from which the degree was received, the University of North Carolina, Chapel Hill, is understood.)

Adams, Clifford Rose ..... Jonesboro
A.B. in Educ., 1929, ws. *Education*

Adams, George Cotton Smith ..... Columbia, S.C.
A.B., 1933. *French Spanish*
A.M., 1934, fws.

Alexander, Allen Leander ..... Statesville
S.B., 1931. *Chemistry, Physics*
S.M., 1932, fws.

Allred, Fred J ..... Liberty
A.B., in Educ., 1934, fws. *French, Spanish*

Anderson, Charles Meeks ..... Chapel Hill
A.B., Johnson Bible Coll., 1916. *Economics, Commerce*
A.M., Univ. of Chicago, 1917, f.

Andrews, Dorothea Harris ..... High Point
A.B., High Point Coll., 1935, f. *English, French*

Archie, William Councill ..... Wake Forest
A.B., Davidson Coll., 1929. *French, Spanish*
A.M., Wake Forest Coll., 1935, s.

Arnold, Fred Hobson ..... Chapel Hill
B.S., George Peabody Coll., 1925. *Economics, Geography*
A.B., *ibid.*, 1928, s.

Avent, Edward White, Jr. ..... Linden
A.B. in Educ., 1929, s. *Education*

Aycock, Andrew Lewis ..... Wake Forest
A.B., Wake Forest Coll., 1926. *English*
A.B., Tulane Univ., 1928, f.

Backenstoss, Ross Elwood, Jr. ..... Washington, D. C.
A.B., American Univ., 1935, fws. *German, French*

Bailey, William Fleming ..... High Point
A.B., Guilford Coll., 1928, f. *Sociology*

Bannerman, Arthur Marling ..... Asheville
A.B., Lafayette Coll., 1922, ws. *Political Science, Education*

Barr, Ernest Scott ..... Chapel Hill
A.B., 1926. *Physics, Mathematics*
A.M., 1933, fws.

Barrett, John Alfred ..... Ponce, Puerto Rico
A.B., in Educ., 1935, fws. *Spanish, French*

Barrett, Linton Loman ..... Somerset, Ky.
A.B., Mercer Univ., 1928. *Spanish, French*
A.M., *ibid.*, 1929, fws.

Barrier, Katherine Lewis ..... Johnson City, Tenn.
A.B., N.C. Coll. for Women, 1930, fws *Sociology, Public Administration*

Bartz, Warren Frederick ..... Sheldon, Iowa
B.S. in Chem. Eng'g., Iowa State Coll., 1935, fws. *Chemical Engineering*

Beckwith, James Payne ..... Roanoke Rapids
Candidate for A.B., 1936, s. *Sociology*

Bell, Marshall Cornett ..... Murphy
A.B. in Educ., 1933, fws. *Mathematics*

Bernard, Mildred Thomas ..... Birmingham, Ala.
A.B., Randolph-Macon Woman's Coll., 1935, fws. *Latin, Comparatice Literature*

Bernhart, Gerd Westelius ..... Sioux Falls, S.D.
A.B., Augustana Coll., 1933, fws. *English*

Rice, Harry Voorhies.....Misenheimer
A.B., Temple Univ., 1924. *Psychology, Sociology*
A.M., 1935, w.

Blankenburg, William Luther.....Lakewood, Ohio
B.S. in Civil Eng'g., Case School of Applied Science, 1935, fws. *Civil Eng'g.*

Boliek, Mildred Irene.....Hickory
A.B., N.C. Coll. for Women, 1929, s. *Zoölogy, Botany*

Bracy, William.....Rich Square
Candidate for A.B., 1936, s. *Music, English*

Bradley, Dorothy.....Burlington
A.B. in Educ., 1934, fws. *French, Spanish*

Brantley, Elizabeth.....Spring Hope
A.B., Meredith Coll., 1935, fws. *English*

Brayer, Edward Frank.....Rochester, N. Y.
A.B., Univ. of Rochester, 1934. *Economics*
A.M., *ibid.*, 1935, fs.

Breazeale, Francis Beall.....Hendersonville
A.B., 1935, fws. *Physics, Mathematics*

Brett, Sue McGlaughan.....Winton
A.B., 1924, s. *English*

Brown, Dalma Adolph.....Chapel Hill
A.B., 1924. *English*
A.M., 1932, f.

Brown Weldon Amzy.....Cycle
A.B., Dartmouth College, 1933. *History*
A.M., 1934, fws

Buffalo, Mary Claire Randolph.....Little Rock, Ark.
A.B., B.S., Central Mo. State Teachers Coll, 1928 *English*
A.M., Univ. of Missouri, 1929, fws.

Burdette, Franklin L.....Chapel Hill
A.B., Marshall Coll., 1934. *Political Science*
A.M., Univ., of Nebraska, 1935, fws.

Burwell, Connie Jones.....Charlotte
A.B., Sweet Briar Coll., 1934. *Philosophy, English*
A.M., 1935, fws.

Caldwell, James Roy, Jr.....Davidson
A.B., Davidson Coll., 1931, fws. *History*

Campbell, Ruth Foster.....Greensboro
A.B., N.C. Coll. for Women, 1924, fws. *French, Spanish*

Cardwell, Guy Adams, Jr.....Wilmington
A.B., 1926. *English*
A.M., Harvard Univ., 1932, fs.

Carr, Eugene Morrison.....Asheville
A.B., Univ., of Pennsylvania, 1913. *Greek, Latin*
M.D., Johns Hopkins Med. School, 1919, f.

Carroll, Rachel Wells.....Wilmington
A.B., Salem Coll., 1935, fws. *History, Government*

Carter, William Draper.....New York City
A.B., Harvard Univ., 1931, fw. *Sociology*

Chandler, George Wallace, Jr.....Winston-Salem
A.B., 1934, s. *English*

Chang, Hsiang Lin.....Tientsin, China
B.S., Pei-Yang Univ., 1932, fws. *Civil Engineering*

Chase, Harold Mason.....Danville, Va.
S.B. in Chem. Eng'g., Mass. Inst. of Technology, 1894. *Chemistry*
S.B. in Chem., *ibid.*, 1896, f.

Coenen, Frederic Edward.....Chapel Hill
A.B., Univ., of Arizona, 1928. *German, French*
A.M., *ibid.*, 1930, fws.

Congleton, James Edmund.....Taylorsville, Ky.
A.B., Berea Coll., 1926. *English*
A.M., George Peabody Coll. for Teachers, 1928, f.

Cook, James Filmore ..... Lenoir
A.B., 1935, fws. *German, French*

Cornsweet, Albert Charles ..... Cleveland, Ohio
Ph.B., Brown Univ., 1929, fw. *Psychology*

Cosby, Bertram Oliver ..... Auburn, Ga.
B.S., Emory Univ., 1929. *Chemistry, Biochemistry*
M.S., *ibid.*, 1930, f.

Coulter, John Lee ..... Washington, D. C.
A. B., American Univ., 1934, fs. *English*

Cowan, Bessie Mae ..... Statesville
A.B., N. C. Coll. for Women, 1932, f. *Sociology*

Cox, Ernest Haynes ..... Chapel Hill
A.B., Carson-Newman Coll., 1927. *English*
A.M., Univ. of Tennessee, 1930, fws.

Cox, Floyd Milton ..... Climax
A.B., Guilford Coll., 1929. *Sociology, Education*
A.M., 1931, fws.

Cox, R. Carson ..... Greensboro
B.S., Guilford Coll., 1934, fws. *Commerce, Economics*

Creech, Walter Devereux ..... Chapel Hill
A.B., 1928. *French, Spanish*
A.M., 1930, fws.

Culp, Francis Bartow ..... Union, S.C.
B.S., Univ. of South Carolina, 1928. *Chemistry*
M.S., *ibid.*, 1933, ws.

Cummings, Philip Harry ..... Hardwick, Vt.
A.B., Rollins Coll., 1929. *Spanish, French*
A.M., Middlebury Coll., 1932, fws.

Daniel, Ella Mae ..... Salisbury
A.B., Catawba Coll., 1934, fws.

Davis, Benson Willis ..... Chapel Hill
A.B. in Educ., 1929, fs. *Latin*

Delaney, Mary Atkinson ..... Angleton, Texas
A.B., Rice Institute, 1930, fws. *English*

DeLong, Carlotta Dorette ..... Lewisburg, W. Va.
A.B., Randolph-Macon Woman's Coll., 1935, fws. *English*

Dewing, Charles Edward ..... Chapel Hill
A.B., Colorado Coll., 1935, f. *Sociology*

DiCostanzo, Nestore ..... Rochester, N. Y.
A.B., 1934, f. *Mathematics*

Donovan, Elizabeth Whitbeck ..... Mayodan
A.B., N. C. Coll. for Women, 1934, ws. *Sociology, Economics*

Dorsett, Henry Grady, Jr. ..... Salisbury
B.S., Wake Forest, 1934, fws. *Physics, Mathematics*

Dorsett, Wilbur ..... Spencer
A.B., 1934, fws. *English*

Doubles, James Arthur, Jr. ..... Greensboro
A.B., in Educ., 1935, fws. *Botany, Zoölogy*

Douty, Harry Mortimer ..... Baltimore, Md.
A.B., Duke Univ., 1931. *Economics*
A.M., Columbia Univ., 1932, s.

Driscoll, Raymond Levering ..... Toano, Va.
B.S., Coll. of William and Mary, 1928, fws. *Physics, Mathematics*

Dunn, William Clyde ..... Chapel Hill
A.B., 1931, fws. *Political Science, Philosophy*

Durham, Francis Marion ..... Columbia, S. C.
A.B., Univ. of South Carolina, 1934, fws. *English*

Durham, Junius West ..... Pittsboro
A.B., 1933, ws. *Education*

Edwards, Martha Elizabeth.....Portsmouth, Va.
A.B., 1919. *History, Latin*
A.M., 1931, fs.

Edwards, Richard Archer.....Niagara Falls, N.Y.
B.S., Univ. of Michigan, 1931. *Geology*
M.A., Univ. of Cincinnati, 1934, fws.

Eldridge, Carey Dewitt.....Chattanooga, Tenn.
A.B., Univ. of Virginia, 1935, fws. *French, Italian*

Eliason, Mary Howell.....Statesville
A.B., N. C. Coll. for Women, 1925. *English, History*
A.M., 1927, fws.

Ellis, Herman Adam.....Hustonville, Ky.
A.B., Berea Coll., 1935, f. *Economics*

Engstrom, Alfred G.....Belvidere, Ill.
A.B., 1933. *French, Spanish*
A.M., 1935, fw.

Everett, John Edward.....Jefferson City, Tenn.
B.S., A.B., Carson Newman Coll., 1934, fws. *Chemistry, Biochemistry*

Fairley, Francis Hilliard.....Monroe
A.B., 1935, fws. *Economics, Commerce*

Farmer, Joseph Arthur.....Shelby
A.B., 1935, fw. *Psychology*

Fincher, John Albert.....Union, S. C.
B.S., Univ. of South Carolina, 1933. *Zoölogy*
M.S., *ibid.*, 1935, fws.

Fleming, Ola Irene.....Salisbury
A.B., N. C. Coll. for Women, 1927, s. *Education, English*

Fletcher, James Floyd.....Raleigh
A.B., Wake Forest Coll., 1934, fws. *Economics*

Fore, Dan, Jr.....Flora, Miss.
A.B., Mississippi Coll., 1932. *Chemistry, Biochemistry*
A.M., 1934, fws.

Fraser, Hugh Gunn.....Asheville
A.B., Westminster Coll., 1926. *English*
A.M., Univ. of Pittsburgh, 1929, w.

Frierson, Cynthia.....Raleigh
A.B. in Educ., George Peabody Coll. for Teachers, 1930, f. *Pub. Administration*

Galloway, Leon.....Cherryville
B.S. in Chem. Eng'g., Va. Polytechnic Inst., 1935, fws. *Chemistry, Mathematics*

Gates, Harriet Irene.....Wadesboro
A.B., Berea Coll., 1933, fws. *Sociology*

Gatica, Timoteo.....Temoco, Chile
B.A., Furman Univ., 1932, fws. *Physics, Mathematics*

Githens, Sherwood, Jr.....Ashland, N. J.
A.B., Bucknell Univ., 1931. *Physics, Mathematics*
A.M., 1933, fws.

Golden, William Cornelius, Jr.....Chapel Hill
A.B., Vanderbilt Univ., 1933. *English*
A.M., *ibid.*, 1934, fs.

Green, Naomi Esther.....New Brunswick, N. J.
A.B., Marietta Coll., 1930, s. *Geology*

Greengold, Leo.....Brooklyn, N. Y.
A.B., 1935, fw. *Chemistry, Biochemistry*

Griffin, Max Liles.....Wake Forest
A.B., Wake Forest Coll., 1929. *English*
A.M., Tulane Univ., 1931, f.

Grimes, James Miller, Jr.....Chapel Hill
A.B., 1932. *History, Latin*
A.M., 1933, fws.

Grubb Gerald Giles.....Chapel Hill
A.B., Catawba Coll., 1928. *English*
A.M., Wake Forest Coll., 1934, fws.

Hagood, Margaret Jarman ..... Charlotte
A.B., Queens Coll., 1929. *Sociology, Psychology*
A.M., Emory Univ., 1930, fws.

Ham, Marcus Lafayette, Jr. ..... Morven
A.B., 1927, w. *Education*

Hanrahan, Kirkwood Lee ..... Kinston
A.B., Davidson Coll., 1935, fws. *Sociology*

Hansen, Peter Sijer ..... Oakland, California
A.B., Univ. of California, 1931. *Music*
A.M., Eastman School of Music, 1935, fws.

Harmon, Olivia ..... Pittsboro
A.B., Meridian Coll., 1920. *English*
A.M., 1925, f.

Hartsell, Earle Horace ..... Chapel Hill
A.B., 1924. *English*
A.M., 1935, fws.

Hawkins, Ethel Crew ..... Pleasant Hill
A.B., N. C. Coll. for Women, 1925, s. *Sociology, Psychology*

Hayron, Helen Bergfield ..... Chapel Hill
A.B., Univ. of California, 1918. *Botany*
A.M., *ibid.*, 1919, fw.

Hayes, Francis Clement ..... Chapel Hill
A.B., 1924. *Spanish, French*
A.M., Columbia Univ., 1930, s.

Hazelman, Herbert R. ..... Andrews
A.B., 1935, fws. *Music, Psychology*

Henry, Nathaniel Harding ..... Chapel Hill
A.B., 1929. *English*
A.M., 1933, ws.

Hill, Pattie Elizabeth ..... Ansonville
A.B., Greensboro Coll., 1935, fw. *Zoölogy*

Hines, Samuel Middleton ..... Warsaw
A. B., Davidson Coll., 1934, fws. *Psychology, Economics*

Hodges, Helen Louise ..... Chapel Hill
A.B., N. C. Coll. for Women, 1930, fw. *Political Science, History*

Hodges, Margaret Virginia ..... Shreveport, La.
A.B., Centenary Coll., 1935, s. *Special*

Holder, Branston Beeson ..... LaGrange
A.B., 1911. *Economics, History*
A.M., 1915, fws.

Horner, George Frederick ..... Chapel Hill
A.B., Penn. State Coll., 1921. *English*
A.M., *ibid.*, 1924, s.

Howerton, Huey Blair ..... University, Miss.
B.S., Mississippi State Coll., 1915. *Political Science, History*
A.M., Univ. of Mississippi, 1924.
A.M., Univ. of Texas, 1934, fws.

Johnson, William Ray, Jr. ..... Winston-Salem
S.B. in Geology, 1935, fws. *Geology*

Johnston, Alice Ruth ..... Davidson
A.B., N. C. Coll. for Women, 1928, s. *Public Administration*

Jones, Creighton Clinton ..... Pittsburgh, Pa.
B.S., Carnegie Inst. of Technology, 1934. *Physics, Mathematics*
M.S., *ibid.*, 1935, fws.

Justice, John Mitchell ..... Charlotte
A.B., 1935, ws. *History*

Kapp, Mary Eugenia ..... Mt. Airy
A.B., N. C. Coll. for Women, 1930. *Chemistry, Biochemistry*
A.M., Duke Univ., 1931, fws.

Keeney, Barnaby Conrad ..... West Hartford, Conn.
A.B., 1935, ws. *History*

Kelling, Lucile ..... Chapel Hill
A.B., Whitman Coll., 1917. *Latin*
B.L.S., N. Y. School of Library Science, 1921, f.

Kershaw, Peter Gourdin de Saussure ..... North Hackensack, N. J.
A.B., The Citadel, 1921, s. *Education, History*

Kirkpatrick, Margaret Ellen ..... Chapel Hill
A.B., Flora Macdonald Coll., 1935, f. *English*

Knight, Samuel Bradley ..... Asheville
B.S., Clemson Coll., 1934, fws. *Chemistry, Biochemistry*

Krahenbuhl, Kathleen May ..... Selma
A.B., Furman Univ., 1932, s. *English*

Kyker, Granvil Charles ..... Sevierville, Tenn.
B.S., Carson-Newman Coll., 1932, fws. *Chemistry, Physics*

Lacy, Dan Mabry ..... Rocky Mount
A.B., 1933. *History, Economics*
A.M., 1935, f.

Land, Collis H. ..... Crossnore
A.B., Presbyterian Coll., 1933, s. *Education*

Lang, Andrew G. ..... Dayton, Ohio
A.B., Miami Univ., 1932. *Botany, Chemistry*
M.S., Cornell Univ., 1933. f.

Langston, A.D. Beach ..... Chapel Hill
A.B., The Citadel, 1933. *English*
A.M., Claremont Coll., 1934, fws.

Lanham, Louise ..... Spartanburg, S. C.
A.B., Randolph-Macon Woman's Coll., 1906. *English*
A.M., 1927, fs.

Larson, Fenton Leroy ..... Tar Heel
A.B., Asbury Coll., 1933, ws. *Education*

Lastrucci, C. Lawrence ..... San Francisco, California
A.B., San Francisco State Teachers Coll., 1935, fws. *Sociology*

Latimer, Philip Haxall, Jr. ..... Brunswick, Ga.
B.S., in Chem., Clemson Coll., 1934, fws. *Chemistry, Biochemistry*

LeBaron, Philip Mallory ..... Montevallo, Ala.
Bs.S., Ala. Polytechnic Inst., 1934, fws. *Geology*

Lee, Talmage Hoyle ..... Fallston
A.B., Wake Forest Coll., 1933, fws. *Mathematics*

Leitner, Jane Gage ..... Chester, S. C.
B.S., Coker Coll., 1935, fws. *Botany*

Liles, Meta Swain ..... Tarboro
A.B., N. C. Coll. for Women., 1930, s. *Education, English*

Little, Charles H., Jr. ..... Charlotte
A.B., Davidson Coll., 1933, fws. *Mathematics*

Little, Gerald Hays ..... Tuscaloosa, Ala.
A.B., Univ. of Ala., 1934. *French*
A.M., *ibid.*, 1935, fws.

Lloyd, Charles Edward ..... Asheville
A.B., 1935, fws. *German*

Loftin, James Carr ..... Enfield
B.S., Virginia Military Institute, 1928. *Chemistry, Physics*
S.M., 1933, fws.

London, Lawrence Foushee ..... Pittsboro
A.B., 1931. *History*
A.M., 1933, fs.

Loomis, Clark Lathrope ..... Las Cruces, New Mexico
B.S., New Mexico State Coll., 1935, f. *Sociology*

Lowry, Roy Frank ..... Cameron
A.B. in Educ., 1930, s. *Education*

McCaig, Jean ..... Wilmington
B.S., Converse Coll., 1934, fws. *Sociology, Political Science*

McCain, John Walker ..... Waxhaw
A.B., Newberry Coll., 1923. *English*
A.M., 1926, fws.

McDaniel, J. Louise ..... Conyers, Ga.
B.S., Georgia State Coll. for Women, 1933, s. *Mathematics, Education*

McDearman, Ella Battle ..... Rocky Mount
A. B., N. C. Coll. for Women, 1926, fws. *Chemistry, Biochemistry*

McFerrin, John Berry ..... Collierville, Tenn.
A. B., Southwestern Univ., 1932. *Economics, Commerce*
A.M., 1933, fws.

McGalliard, Harry Woodrow ..... Chapel Hill
A.B., 1929. *Political Science, Public Administration*
J.D., 1935, s.

McGeachy, John Alexander, Jr. ..... Fayetteville
A.B., Davidson Coll., 1934, fws. *History, Latin*

McGinnis, Mamie Rose ..... Salisbury
A.B., Guilford Coll., 1935, fws. *Sociology, Psychology*

McIntosh, Craig S. ..... Chapel Hill
A.B., 1935, ws. *Mathematics*

McKnight, William Albert ..... Shelby
B.S., Davidson, Coll., 1932, fws. *Spanish, French*

MacLean, John Allan ..... Chapel Hill
S.B. in Mech. Eng'g., 1933, fws. *Mech. Engineering, Mathematics*

McLeod, Bessie ..... Goldston
A.B., Flora Macdonald Coll., 1915, ws. *Education*

McMullan, Patricia Mary ..... Washington
A.B., 1935, fws. *English*

McNeil, John Milton ..... Chapel Hill
A.B., 1929. *English*
A.M., 1932, s.

McNeir, Waldo Forest ..... Houston, Texas
A.B., Rice Institute, 1929. *English*
A.M., 1932, fws.

McPherson, Mary Banks ..... Durham
A.B., Sweet Briar Coll., 1935, fws. *History, Political Science*

Macormac, Alfred R. ..... Chapel Hill
B.S., Coll. of the City of N. Y., 1924. *Chemistry, Physics*
A.M., Columbia Univ., 1932, fs.

Mahler, Andrew J. ..... Wilmington
A.B., Wagner Coll., 1925. *English*
M.A., Columbia Univ., 1926, ws.

Martin, Hermon Wilkes ..... Emory University, Ga.
A.B., Emory Univ., 1918. *Psychology*
A.M., 1924, f.

Mayo, Selz Cabot ..... Mesic
A.B., Atlantic Christian Coll., 1935, f. *Sociology*

Mendenhall, Mildred Corinna ..... Yanceyville
A.B., N. C. Coll. for Women, 1920. *Psychology*
M.A., Univ. of Rochester, 1934, fw.

Metzenthin, Eric Proctor ..... Chapel Hlli
A.B., 1935, f. *Geology*

Midgett, Ernest L. ..... Kitty Hawk
S.B., Mech. Eng'g., 1932, s. *Economics*

Millsaps, Vera ..... Statesville
B.S., N. C. Coll. for Women, 1915. *Botany, Zoölogy*
S. M., 1924, s.

Milne, David Tuttle ..... Salisbury
A.B., 1928, ws. *Chemistry, Biochemistry*

Mizell, Myrtle Powell ..... Fernandina, Fla.
A.B., Hollins Coll., 1934, fws. *Sociology, Public Administration*

Moffett, Robert B. ..... Hope Mille
A.B., Davidson Coll., 1934, ws. *Education*

Moore, Bernice Milburn ..... Chapel Hill
B.J., Univ. of Texas, 1924. *Sociology*
A.M., *ibid.*, 1932, fws.

Moore, Harry Estill ..... Chapel Hill
B.J., Univ. of Texas, 1927. *Sociology, Economics*
A.M., *ibid.*, 1932, fws.

Moses, Walter Lauren ..... Durham
A.B., 1929. *English*
A.M., 1933, fws.

Mouzon, Olin Terrill ..... Charlotte
B.S. in Comm., Southern Methodist University, 1933, ws. *Economics, Commerce*

Mullen, Joe Homer ..... Spring Hope
B.S., N. C. State Coll., 1934, f. *Economics*

Myers, Mary Emily ..... Winston-Salem
A.B., Randolph-Macon Woman's Coll., 1935, fws. *Education*

Nahikian, Howard Movess ..... Asheville
A.B., 1933. *Mathematics*
A.M., 1934, fws.

Napier, William Benjamin ..... Chapel Hill
A.B., 1931, fws. *French, Spanish*

Nicholes, Postell Mood, Jr. ..... Charleston, S.C.
B.S., The Citadel, 1934. *Chemistry, Biochemistry*
S.M., 1935, fws.

Nicholson, J. Frank ..... Blairsville, Ga.
B.S., Carson-Newman Coll., 1933, fws. *Chemistry, Biochemistry*

Niggli, Josephine Morgan ..... Monterrey, Mex.
A.B., Coll. of the Incarnate Word, 1931, f. *English*

Noblin, Stuart ..... East Radford, Va.
A.B., Davidson Coll., 1933. *History*
A.M., 1935,ws.

Odum, Eugene Pleasants ..... Chapel Hill
A.B., 1934, fws. *Zoölogy*

Pannnill, Mary Lou ..... Martinsville, Va.
A.B., Randolph-Macon Woman's Coll., 1935, f. *English*

Park, Hubert V. ..... Salisbury
A.B., Lenoir Rhyne Coll., 1931. *Mathematics*
A.M., 1933, fws.

Parker, Herman M. ..... Vass
Candidate for A.B. in Educ., 1936, ws. *Physics, Mathematics*

Payne, Isabella Elizabeth ..... Punta Gorda, Fla.
A.B., Adelphi Coll., 1928, fws. *Spanish, French*

Pegram, Mrs. J. Roger ..... Greensboro
A.B., Maryville Coll., 1925, fws. *Sociology*

Perry, Margaret Kelley ..... Chapel Hill
A.B., Mount Holyoke Coll., 1934, fws. *Sociology*

Perry, William Alva ..... Chapel Hill
S.B. in Chem., 1930, fws. *Chemistry, Civil Engineering*

Person, Lydia Amy ..... Louisburg
A.B., 1935, fws. *Public Administration*

Pettigrew, Marie Morgan ..... Salisbury
A.B., Catawba Coll., 1933, s. *English*

Phillips, John Morton ..... Leaksville
A.B., Guilford Coll., 1931, fw. *Commerce*

Popper, Estelle ..... Creedmoor
A.B., Hunter Coll., 1934. *History*
A.M., 1935, f.

Raper, John Robert ..... Lexington
A.B., 1933, fws. *Botany, Zoölogy*

Rethlingshafer, Dorothy ..... Lenoir
B.S., Miami Univ., 1920. *Psychology*
M.A., Univ. of Chicago, 1924, fws.

Rice, Ruby Rema ..... Knoxville, Tenn.
A.B., Univ. of Tenn., 1932. *Botany, Zoölogy*
M.S., *ibid.*, 1934, f.

Ritchie, Donald Dirk ..... Greenville, S. C.
B.A., B.S., Furman Univ., 1933, fws. *Botany, Zoölogy*

Robertson, Durant Waite, Jr. ..... Rutherford, N. J.
A.B., 1935, fws. *English*

Roth, H. Dale ..... St. Petersburg, Fla.
B.S., Univ. of Fla., 1934, fws. *Pharmacy*

Sams, Henry Whittington ..... Spruce Pine
B.A., Oberlin Coll., 1933. *English*
M.A., *ibid.*, 1935, fws.

Sapelo, Treanor H. ..... Athens, Ga.
A.B., Univ. of Georgia, 1927. *Spanish*
M.A., *ibid.*, 1929, s.

Schiffman, Camille Brinkley ..... Greensboro
B.S., N. C. Coll. for Women, 1929, ws. *Sociology*

Schiffman, Ruth Yeomans ..... Greensboro
A.B., Boston Univ., 1927. *Sociology, Public Administration*
M.S., Smith College, 1928, ws.

Schroeder, Peter B. ..... Hampton, Va.
A.B., Yale Univ., 1927, fws. *History, Political Science*

Sevier, John Love ..... Hendersonville
B.S., Davidson Coll., 1932, fws. *History*

Shackford, John Branner ..... Rock Hill, S.C.
B.S., Northwestern Univ., 1930. *English*
M.A., *ibid.*, 1931, fws.

Shafer, Raymond Edwin ..... Raleigh
B.S., N. C. State Coll., 1934, f. *Special*

Shanor, Leland ..... Butler, Penn.
A.B., Maryville Coll., 1935, fws. *Botany, Zoölogy*

Shreve, Clark Gerow ..... Tar Heel
A.B., Asbury Coll., 1933, ws. *Education, English*

Simkins, Thomas Moorman, Jr. ..... Raleigh
A.B. in Educ., 1935, fws. *Latin, English*

Simmons, Norwood Lee, Jr. ..... Chapel Hill
S.B. in Chem., 1933. *Chemistry, Physics*
M.S., California Inst. of Technology, 1934, fws.

Simpson, Marcus B. ..... Jamestown
A.B. in Educ., 1930, s. *Education*

Sink, Woodford Grady ..... Lexington
B.A., Catawba Coll., 1934, fws. *Chemistry, Physics*

Sitterson, Joseph Carlyle ..... Kinston
A.B., 1931. *History, Economics*
A.M., 1932, fws.

Smith, George Herbert ..... Charlotte
B.S. in Comm., Washington and Lee Univ., 1923, f. *Commerce*

Smith, Hugh Preston ..... Raleigh
A.B., Wake Forest Coll., 1920. *Education*
A.M., Duke Univ., 1926, f.

Smith, Margaret Harrison ..... Newport News, Va.
A.B., Randolph-Macon Woman's Coll., 1929, fws. *Education, Chemistry*

Smith, Thomas Earle ..... Oxford
B.S., Clemson Coll., 1931. *Botany*
M.S., Va. Polytech. Inst., 1932, fw.

Smith, William Lamont ..... Spencer
A.B., Catawba Coll., 1933, fws. *Physics, Mathematics*

Spearman, Walter Smith ..... Chapel Hill
A.B., 1929, ws. *English*

Spelt, David Kirby ..... Philadelphia, Penn.
A.B., Haverford Coll., 1930, fws. *Psychology, Sociology*

Spiers, Musette Taylor ..... Greensboro
A.B., Winthrop Coll., 1924. *English*

Spivey, Gaynell Callaway ..... Winston-Salem
A.B., Greensboro Coll., 1924; A.M., 1925. *English*
Ph.D., 1928, fw.

Spivey, Herman Everett ..... Chapel Hill
A.B., 1928. *English*
A.M., 1929, s.

Steely, Mercedes S. ..... Augusta, Ga.
A.B., Duke Univ., 1933, s. *English*

Stevens, Stanley Scott ..... Demorest, Ga.
Ph.B., Piedmont Coll., 1928. *Sociology, Economics*
A.M., 1931, f.

Stewart, Laurie Marguerite ..... Hunting Creek
B.S., Appalachian State Teachers Coll., 1932, fws. *Botany*

Stone, Olive Matthews ..... Montgomery, Ala.
A.B., Huntington Coll., 1918. *Sociology, Public Administration*
A.M., Univ. of Chicago, 1929, fws.

Straley, Harrison W., III ..... Chapel Hill
A.B., Concord State Teachers Coll., 1925, fw. *Geology*

Suskin, Albert Irving ..... New Bern
A.B. in Educ., 1931. *Latin*
A.M., 1932, fws.

Svendsen, James Kester ..... Charleston, S. C.
A.B., Coll. of Charleston, 1934. *English*
A.M., 1935, fws.

Swann, William Kirk, Jr. ..... Covington, Ga.
S.B. in Med., 1935, fws. *Chemistry*

Tanner, Howard Albert ..... Sebring, Ohio
B.S., Mt. Union Coll., 1932. *Chemistry*
M.S., Ohio State Univ., 1935, fws.

Taylor, Harriet ..... Port Washington, N. Y.
A.B., Wellesley Coll., 1933, fws. *Botany, Zoölogy*

Taylor, Joseph Albert ..... Florence, S. C.
S.B. in Chem., 1935, fws. *Chemistry, Physics*

Thomas, Laura Corbett ..... Winston-Salem
B.S., Salem Coll., 1927. *Chemistry, Biochemistry*
S.M., 1935, fws.

Thomason, Oliver Bruce ..... Cooleemee
A.B., Catawba Coll., 1934, fws. *Sociology, Public Administration*

Thompson, Jack ..... Winston-Salem
S.B. in Comm., 1933, fws. *Commerce, Economics*

Thompson, Samuel Hunter ..... Hickory
A.B., Lincoln Memorial Univ., 1921. *Education, Economics*
A.M., 1923, fs.

Thurman, Beverly Reid, Jr. ..... Norfolk, Va.
A.B., College of William and Mary, 1931. *French, Spanish*
A.M., 1933, fw.

Tucker, Gordon Herschel ..... Columbia, S. C.
B.S., Univ. of S.C., 1931. *Zoölogy*
M.S., *ibid.*, 1934, fws.

Vaughan, Mary Emily ..... Jackson
A.B., Duke University, 1934, fws. *Sociology, Psychology*

Vitz, Howard Engeler ..... Toledo, Ohio
S.B. in Geology., 1935, ws. *Geology*

Wakefield, Olaf ..... Raleigh
B.S., N. C. State Coll., 1934, f. *Sociology*

Walker, Nat Wilson ..... Chapel Hill
A.B., 1935, fws. *Spanish, French*

Wall, Bennett Harrison ..... Chapel Hill
A.B., Wake Forest Coll., 1933, f. *History and Political Science*

Wallace, Mack ..... Buie's Creek
A.B., 1935, fws. *Chemistry, Biochemistry*

Ward, William Smith ..... Cynthia, Ky.
A.B., Georgetown Coll., 1928. *English*
A.M., Harvard Univ., 1930, fws.

Watson, Elliott Owen ..... Greensboro
A.B., Wofford Coll., 1918. *History, Political Science*
A.M., *ibid.*, 1918, f.

Way, Bobbie ..... Waynesville
B.S., Salem Coll., 1935, f. *Zoölogy*

Way, Katharine ..... Southern Pines
B.S., Columbia Univ., 1932, fws. *Physics, Mathematics*

Weatherford, Ralph Duncan ..... Chattanooga, Tenn.
B.S., Univ. of Chattanooga, 1925. *Physics, Mathematics*
S.M., 1933, f.

Weaver, William Rowe ..... Hickory
A.B., Davidson Coll., 1929. *Spanish, French*
A.M., 1934, fws.

Weinberg, Arthur Howard ..... Newark, N. J.
A.B., 1934, s. *Psychology*

Welch, Samuel Williamson John ..... Montezuma
S.B., Mass. Inst. of Technology, 1926, fws. *Psychology, Physics*

Wells, Edna Metz ..... Raleigh
B.S., Kansas State Agric. Coll., 1932, s. *Botany, Zoölogy*

Wells, Hildegarde Ewart ..... Waxahachie, Texas
A.B., Wellesley Coll., 1931, s. *Education, History*

White, James Wilson ..... Graham
B.S., Davidson Coll., 1934, fws. *Physics, Mathematics*

Wickens, Delos Donald ..... Chapel Hill
A.B., Centre Coll., 1931. *Psychology, Sociology*
A.M., 1933, fws.

Wilder, Francis Sidney ..... Chapel Hill
A.B., Dartmouth Coll., 1925. *Economics, Sociology*
A.M., 1926, fws.

Willard, Samuel L., II ..... Hickory
A.B., Lenoir Rhyne Coll., 1935, fws. *Chemistry, Physics*

Williams, Charles Curtis ..... Milford, Delaware
A.B., Univ. of Delaware, 1934, fws. *Mathematics*

Williams, Francis Dudley ..... Asheville
A.B., 1933. *Physics, Mathematics*
A.M., 1934, fws.

Williams Lyle Lyndon ..... Chapel Hill
B.S., Guilford Coll., 1922. *Zoölogy, Botany*
A.M. in Educ., 1927.
A.M. in Zoölogy, 1931, fws.

Williams, Robert Hackney ..... Clearwater, Fla.
A.B., 1935, fws. *Chemistry, Biochemistry*

Williams, William Waldo ..... Chapel Hill
B.S., Guilford Coll., 1928. *Chemistry, Biochemistry*
S.M., 1930, fws.

Winslow, Rex Shelton ..... Chapel Hill
A.B., Simpson Coll., 1923. *Economics*
A.M., Univ. of Illinois, 1929, s.

Wladkowski, Edith ..... New York, N. Y.
B.S., New York Univ., 1932, fws. *Psychology, Sociology*

Woodside, Robert Edward ..... Crossnore
A.B., Davidson Coll., 1934, s. *History*

Woodward, Comer Vann ..... Chapel Hill
Ph.B., Emory Univ., 1930. *History*
M.A., Columbia Univ., 1932, fws.

Woodworth, Robert Newton ..... Chapel Hill
A.B., 1934. *Sociology, History*
A.M., 1935, fws.

Yapar, Nihat Ferit ..... Izmir, Turkey
B.S., International Coll., (Turkey), 1934, f. *Economics, Commerce*

York, Willie Marguerite ..... Cary
B.S., N. C. State Coll. 1935, f. *Sociology*

Undergraduate and Professional Students

Abbreviations are used to indicate the curriculum followed by each student as follows: A. Sci., Arts and Sciences; G.C., General College; C., Commerce; E.E. Electrical Engineering; Ci.E., Civil Engineering; Ch.E., Chemical Engineering; M.E., Mechanical Engineering; Med., Medicine; Ph., Pharmacy; Law, Law; P.A., Public Administration; L.S., Library Science; P.H.A., Public Health Administration; Grad., Graduate; Spec., Special Work.

The figure following the curriculum approximates the academic rank of the student.

The small letters following the numeral indicate the quarters in which the student was in residence during the session, f meaning fall quarter, w meaning winter quarter, and s meaning spring quarter.

Unless otherwise specified a degree shown was awarded by the University of North Carolina at Chapel Hill.

Aaron, Jules Bryan, Med. 1, fws — Brooklyn, N. Y.
A.B., 1935

Abbott, Donald, G. C. 1, fws — Scarborough, N. Y.

Abel, Carl Robert, G. C. 1, f — Tarboro

Abelman, Herbert Joseph, G. C. 1, fws — Dorchester, Mass.

Aberly, William Franklin, C. 2, fws — New Bern

Abernethy, Charles H., A-Sci. 2, f — Hickory

Abernethy, Leroy Franklin, Jr., G. C. 1, fws — Asheville

Abernethy, Olivia, Med. 1, fws — Elkin

Abramson, Herbert Buck, G. C. 1, fws — Brooklyn, N. Y.

Adam, Robert Leonard, G. C. 1, fws — Ridley Park, Penna.

Adams, Isaac Cody, G. C. 1, fws — Clayton

Adams, John Frederick, A-Sci. spec., fws — Arlington, Mass.

Adams, Roy Graham, Ph. 2, fws — Hamlet

Adderton, Richard Stokes, P. H. A. spec., s — Lexington

Aderholt, Marcus Lafayette, Jr., A-sci. 3, fws — Lexington

Adkins, Wayne Page, A-Sci. 3, fws — Marion

Adkins, Warren Young, A-Sci. 3, fws — Marion

Aiken, Charles Hunter, C. spec., fws — Asheville

Albright, Robert Mayne, Law 3, f — Raleigh
A.B., 1931, A.M., 1934

Albright, William Madison, C. 2, fw — Greensboro

Alderman, Herbert Edward, A-Sci., fws — New Haven, Conn

Alexander, Herbert Hoover, G. C. 1, fws — Elizabeth City

Alexander, Hugh Quincy, Law 3, fs — Kannapolis

Alfson, Howard Alvin, C. 2, fws — Brooklyn, N. Y.

Allen, Albert Lanham, P. H. A. spec., s — Goldsboro
A.B., 1929, Wofford Coll.; M.D., 1933, S. C. Med. Coll.

Allen, Clyde Royal, G. C. 1, fw — Pinnacle

Allen, David Anderson, C. 2, fws — Charlotte

Allen, Ernest Marvin, Jr., C. 3, fws — Wilmington

Allen, George Gilderoy, Jr., C. 3, fws — Kannapolis

Allen, Jerry Harry, A-Sci. 2, fws — Reidsville

Allen, John Leach, C. 3, fws — Troy

Allen, John Watson, A-Sci., 3, fws — Matthews

Allen, Malcolm Burdette, G. C. 1, fws — Aurora

Allen, Ross Guerard, A-Sci. 3, fws — Savannah, Ga

Allen, William Paul, C. 3, fws	Raleigh
Allison, Henry J., Ch. E. 4, fws	Charlotte
Allsbrook, Raleigh Herbert, A-Sci. 4, fws	Baltimore, Md.
Allsop, Robert Thomas, G. C. 1, fws	East Orange, N. J.
Alston, William Watson, G. C. 1, fws	Bronxville, N. Y.
Ambrose, Clyde Milton, A-Sci., 3, f	Elizabeth City
Amoscato, Anthony Sam, A-Sci. 2 fws	Newark, N. J.
Andersen, Carl Walter, A-Sci. 2, fws	Short Beach, Conn.
Anderson, Arthur Ernest, A-Sci. 2, fws	Wilmington
Anderson, Francis Irving, Law 3, fs A.B., 1933	Leaksville
Anderson, George Andrew, A-Sci. 3, fws	Yanceyville
Anderson, John Inge, G. C. 1, fws	Reidsville
Anderson, Thomas Leonidas, P. H. A. spec., s	Richmond, Va.
Anderson, William Hinton, Law 1, A-Sci. 4, ws	Raleigh
Andrews, Alex Boyd, Jr., Law 2, fs A.B., 1934	Raleigh
Andrews, Graham Harris, Jr., A-Sci. 2, f	Raleigh
Andrews, John Berkley, Jr., G. C. 1, f	Durham
Apple, Roy Dwight, G. C. 1, fws	Greensboro
Apple, Troy Arthur, C. 2, fws	Winston-Salem
Arey, William Griffin, Jr., G. C. 1, fws	Shelby
Armfield, Claude Clark, Jr., G. C. 1, fws	Winston-Salem
Armfield, George Williard, C. 3, f	High Point
Armfield, John Sterling, A-Sci. 4, fws	Fayetteville
Armfield, Walter Frank, C. 4, f	High Point
Arrington, Archibald Hunder, Jr., A-Sci. 2, fws	Raleigh
Ashe, Jean Jennings, A-Sci. spec., s	Pittsfield, Mass.
Askew, David E., Ch. E. 3, f	Snow Hill
Atkinson, Calder, M. E. 4, fws	Wilmington
Attmore, Taylor Bynum, Jr., C. 3, f	Washington
Atwood, Carroll Jack, A-Sci. 2, fws	Madison, Wis.
Auman, A. R. Jr., G. C. 1, fws	Seagrove
Austin, Charles Patterson, Jr., G. C. 1, fws	Charlotte
Austin, Edmund James, E. E. 2, fws	Southern Pines
Austin, Frances Elizabeth, A-Sci. 4, fws	Winston-Salem
Austin, Hallie Welsh, A-Sci. 3, f	Monroe
Austin, James Hinton, C. 4, fws	Raeford
Austin, James Wilson, A-Sci. 3, fws	Waxhaw
Austin, Parks Niell, C. 4, fws	Charlotte
Avery, Isaac Thomas, Jr., A-Sci. 2, fws	Morganton
Axelrod, Joseph, G. C. 1, fws	New Haven, Conn.
Aydlett, Sanford Purris, Ph. 2, f	Elizabeth City
Baddour, Raymond, A-Sci. 2, fws	Brooklyn, N. Y.
Baden, James Henry, Jr., A-Sci. 2, fws	Washington, D. C.
Badgett, John Edward, G. C. 1, f	Pilot Mountain
Baggs, James Angus, G. C. 1, fws	Augusta, Ga.

Bahnson, Edward Reid, A-Sci. 2, fws	Winston-Salem
Baicy, Edward Owen, G. C. 1, fws	Weldon
Bailey, Abbott Kenyon, A-Sci. 2, fws	Elizabeth City
Bailey, Isaac Mayo, Jr., G. C. 1, fws	Raleigh
Bailey, James Hinton Pou, G. C. 1, fws	Raleigh
Bailey, John Isaac, E. E. 2, f	Rock Hill, S. C.
Bailey, Richard B., G. C. 1, fws	Dayton, Ohio
Baker, Anne Taylor, A-Sci. 4, fws	High Point
Baker, Raleigh Walter, C. 4, fws	Mocksville
Baker, Robert Weathersbee, Jr., A-Sci. 2 fws	Greensboro
Balding, James Palmer, Jr., G. C. 1, fws	Milwaukee, Wis.
Baldwin, Robert Edwin, A-Sci. 4, ws	Nashville, Tenn.
Balis, Samuel Benjamin, Med. 2, fws A.B., 1934	Newark, N. J.
Ball, Robert Jefferson, G. C. 1, fws	Louisville, Ky.
Ballard, Arthur Stamey, Jr., A-Sci. 3, ws	Nashville
Ballentine, Kinshaw Whitaker, P. H. A. spec. s	Middlesex
Ballou, Donald Clark, C. 3, fws	Chapel Hill
Bannon, Barney Dervin, C. 3, fws	Portsmouth, Ohio
Barbano, Allen Robert, G. C. 1, fws	Oneida, N. Y.
Barbee, George Sprite, A-Sci. 2, fws	Zebulon
Barbee, Harvey Clyde, G. C. 1, fws	Durham
Barber, Ernestine Ray, Ph. 2, fws	Goldston
Barber, John Frank, A-Sci. 3, fws	Asheville
Barbour, Offie Almon, A-Sci. 2, fws	Benson
Barbour, Richard Morton, A-Sci. 2, fws	Chapel Hill
Barbour, William Johnston, A-Sci. 3, fws	Chapel Hill
Barefoot, Sherwood W., Med. 2, fws	Battleboro
Barham, Berlin Francis, Med. 1, fws	Leaksville
Barker, Evelyn Cochrane, A-Sci. 2, fws	Burlington
Barker, Francis King, C. 4, fws	Leaksville
Barker, Pauline Eleanor, A-Sci. 4, fws	Bartow, Fla.
Barksdale, Walter Lane, A-Sci. 4, fws	Greensboro
Barlow, Hester Hunt, A-Sci. 4, fws	Cairo, Egypt
Barnes, Benjamin Cooke, Med. 2, fws	Asheville
Barnes, Bennett Harper, Law 3, s A.B., 1932	Chapel Hill
Barnes, Henry Franklin, A-Sci. 3, fs	Elm City
Barnes, Jesse Norris, G. C. 1, fws	Elm City
Barnes, Robert Maurice, A-Sci. 4, fws	Lucama
Barnes, Vanclain Winston, A-Sci., 2, f	Lillington
Barnett, Joseph Yoch, A-Sci. 4, fws	Laguna Beach, Calif.
Barney, John Ervin, A-Sci. 4, fws	Greensboro
Barnhill, Maurice Victor, Jr., Law 3, fs A.B., 1934	Rocky Mount
Barnwell, Howard Brownlow, A-Sci. 2, fws	Edneyville
Baroff, Natalie Joan, A-Sci. 2, f	Bayonne, N. J.

Barrett, George Warren, A-Sci. 3, ws	Ponce, Puerto Rico
Barrett, Joseph Robert, A-Sci. 3, fws	Elizabeth City
Barrier, Henri Smith, Jr., A-Sci. 2, s	Concord
Barron, Raymond Lindsay, C. 4, fws	Charlotte
Bartlett, Harry Amos, G. C. 1, fws	Mt. Vernon, N. Y.
Bartlett, Kenneth Eugene, A-Sci. spec. fws	Modesto, Calif.
Bartos, Henry, A-Sci. 2, fws	Vandergrift, Penna.
Barwick, Eugene Thomas, C. 4, fws	Laurinburg
Barwick, William Allen, A-Sci. 4, fws	Raleigh
Basnight, Curtis Brannon, G. C. 1, f	Manteo
Bass, Beaty Lee, Med. 1, fws B.S., 1935	Scotland Neck
Bass, Hubert Leonidas, C. 4, fws	Lucama
Bass, Thomas Edward, C. 2, fws	New Bern
Bateman, Joseph Charles, C. 2, fws	Columbia
Batten, James, G. C. 1, f	Wadesboro
Battle, Ivan Procter, Jr., A-Sci. fw	Rocky Mount
Bauguess, Walter Raleigh, G. C. 1, ws	Jefferson
Baxley, Raiford Douglas, A-Sci. 3, fws	Wagram
Bayley, Elden, Jr., M. E. 4, fws	Raleigh
Bayroff, Rosalie, A-Sci. 2, fws	Bayonne, N. J.
Beacham, Hazel May, A-Sci. 4, fws	Raleigh
Bear, Richard D., Ch. E. 4, fws	Rutledge, Penna.
Beasley, Hugh Bennett, A-Sci. 2, fws	Four Oaks
Beattie, Dannitte Mays, G. C. 1, fws	Greenville, S. C.
Beaven, Charles William, G. C. 1, fws	Asheville
Becker, Donald, A-Sci. 4, fws	Summit, N. J.
Beckwith, James Payne, A-Sci. 4, fw; Grad. s	Roanoke Rapids
Beebe, Arthur Roys, Jr., A-Sci. 2, fws	New Haven, Conn.
Behrendt, Barbara Carolyn, P. A. 3, fws	Springfield, Mass.
Belden, Annice Williston, A-Sci. 3, fws	Pitchfork, Wyo.
Belinkie, Isadore George, A-Sci. 2, fws	Bridgeport, Conn.
Bell, Clement Cornelius, G. C. 1, fws	Clinton
Bell, Charles Thompson, C. 3, fws	Durham
Bell, Daniel Locke, G. C. 1, fws	Canton
Bell, Nell Elisabeth, A-Sci. 4, fw	Durham
Bell, Sammie Ruth, A-Sci. 4, fws	New Albany, Miss.
Bellamy, William Clark, C. 4, f	Wilmington
Benbow, Edward Perry, Jr., A-Sci. 3, fws	Greensboro
Benbow, Lyle Johnston, A-Sci. 4, fws	Winston-Salem
Bennett, Clifton Clement, Law 2, fs A.B., 1934	Wadesboro
Bennett, David Parker, A-Sci. 3, fws	Asheville
Bennett, Harold Kimsey, Law 2, fs A.B., 1935	Asheville
Bennett, John McDonald, G. C. 1, fws	Bryson City
Bennett, Norman Smith, Jr., G. C. 1, fws	Rocky Mount

Bennett, Percival Robert, Jr., G. C. 1, f	Bryson City
Bennett, Thomas Sheffield, A-Sci. 4, fws	Wadesboro
Benton, Charles Collins, A-Sci. 2, fws	Wilson
Benton, Morris Carey, Jr., C. 2, fws	Parkersburg
Benton, William Lockhart, G. C. 1, fws	Hamlet
Berg, Randall Challen, C. 2, fws	Jacksonville, Fla.
Berger, Julius, A-Sci. 3, fws	Wilmington
Berini, Louis, C. 2, fws	Durham
Berkeley, Greene Ramsey, G. C. 1, fws	Norfolk, Va.
Berman, Robert Alvin, A-Sci. 4, fws	Jamaica, N. Y.
Berney, Stanley Philip, A-Sci. 2, fws	Hewlett, N. Y.
Bernhardt, Robert Linn, Jr., Law 1, fs	Salisbury
Bernstein, Paul R., G. C. 1, fws	Chicago. Ill.
Bernstein, Robert Matthew, G. C. 1, fws	Brooklyn, N. Y.
Berryman, William Connor, A-Sci. 2, fws	Lexington, Ky.
Bershak, Andrew A., C. 2, fws	Clairton, Penna.
Best, John McClanian, Jr., C. 3, fws	Shelby
Betjeman, John Augustus, A-Sci. 2, fws	Washington, D. C.
Betts, Willard Furman, A-Sci. fw	Raleigh
Biggs, Montgomery Herman, Jr., Ch. E. 4, fw	Rutherfordton
Bissette, Harold Edwin, G. C. 1, fws	Bailey
Black, William Thomas, G. C. 1, fws	Dalton, Mass.
Blackmore, William Cortez, C. 2, f	Warsaw
Blackwelder, Barrie Bascom, Jr., Law 3, fs	Hickory
Blackwell, Crist Watts, C. 2, fws	Winston-Salem
Blaine, Doyle Wilson, C. 4, fws	Franklin
Blair, Henry Clay, G. C. 1, fws	Lenoir
Blake, Crump Clifton, G. C. 1, fws	Lumberton
Blalock, Alvin Coleman, Jr., C. 2, fws	Warrenton
Blalock, John Henry, G. C. 1, fws	Norwood
Blanchard, Evelyn, L. S., fws A.B., 1935, Chowan Coll.	Hobbsville
Blauvelt, Annie Lee, A-Sci. 3, ws	Asheville
Bloom, Abe, C. 2, fws	Newark, N. J.
Bloom, Theodore Gilbert, Ph. 1, fws	Durham
Blount, Marion Orlando, II, A-Sci. 3, fw	Greenville
Blount, Robert Ferrando, C. 4, fw	Pensacola, Fla.
Blount, Thomas E., Jr., G. C. 1, fws	Zebulon
Blow, Henry Stuart, A-Sci. 3, fws	Edenton
Blue, Paul, G. C. 1, fws	Southern Pines
Bluestone, Henry Robert, A-Sci. 2, fws	Roxbury, Mass.
Bluethenthal, Herbert, Jr., E. E. 2, fws	Wilmington
Blum, John Albert, A-Sci. 2, fws	Maplewood, N. J.
Blythe, Franklin Jackson, Jr., C. 2, fws	Charlotte
Bobbitt, Julian Daniel, C. 3, fws	Rocky Mount
Bobbitt, John Sedwick, G. C. 1, fw	Charlotte
Bobroff, Solomon Arthur, Ph. 2, fws	Far Rockaway, N. Y.

Bodenheimer, Frederick Nash, G. C. 1, fws	Parkton
Boger, Harold Clarence, G. C. 1, fw	Winston-Salem
Boger, Richard Albert, A-Sci. 2, f	Vass
Boley, Paul Leeroy, Law 1, fs A.B., 1935, Lawrence Coll.	Salem, Oregon
Bond, Niles Woodbridge, A-Sci. 3, fws	Lexington, Mass.
Bonds, Hope Edward, Jr., Ch. E. 2, fws	Concord
Boney, Harvey James, A-Sci., 4, fws	Rose Hill
Bonner, Allan Baker, A-Sci. 3, fws	Kinston
Booker, Nell Battle, A-Sci. 2, fws	Chapel Hill
Boone, James Maxton, G. C. 1, fws	Chapel Hill
Boone, William Jackson, A-Sci. 4, fws	Chapel Hill
Booth, William Robert, Law 3, fs A.B., 1930, Duke University	Polloksville
Bordeaux, James Monroe, G. C. 1, fws	East Durham
Boren, William Clem, III, C. 2, f	Greensboro
Borum, Olin Henry, A-Sci. 2, fws	Greensboro
Bosch, John Frederick, Jr., C. 3, fws	Charleston, S. C.
Boseman, Andrew Gunter, G. C. 1, fws	Enfield
Bost, John Shipman, C. 3, fws	Raleigh
Botsford, Albert Sidney, Jr., P. H. A. spec., s	Jacksonville, Fla.
Bowen, Dorothy Elaine, A-Sci. 4, ws	High Point
Bowen, Francis Lennon, A-Sci. 4, fws	Lumberton
Bower, Jack Calhoun, C. 3, fws	Lexington
Bowles, John, A-Sci. 3, fws	Monroe
Bowne, Frank Samuel, A-Sci. 3, fs	Hendersonville
Boyd, Shelton Bickett, Ph. 1, fws	Sanford
Boyette, Norment Glenn, C. 2, fws	Smithfield
Boykin, Vermell, G. C. 1, f	Wilson
Boyle, Bryson Irvin, Law 3, fs A.B., 1934	Charlotte
Bracy, William, A-Sci. 4, fw; Grad. s	Rich Square
Bradley, S. B., A-Sci. 2, fws	Scotland Neck
Bragg, Jack Melvin, A-Sci. 2, fws	Littleton
Brame, James Ballard, G. C. 1, fws	Durham
Brame, Phillip Augustus, Ph. 4, fws	North Wilkesboro
Branch, Waverly Harold, G. C. 1, fws	Petersburg, Va.
Branch, William Ray, G. C. 1, f	Sanford
Brantley, Louis David, A-Sci. 2, fws	Raleigh
Braswell, Hiram Eugene, Jr., A-Sci. 3, fws	McFarlan
Brawley, Boyden, A-Sci. 3, fws	Salisbury
Bray, Max Vernell, C. 2, fws	Siler City
Breckenridge, Arnold, A-Sci. 3, fws	Chapel Hill
Brewer, Robert Palmer, G. C. 1, fws	Henderson
Brick, Raymond, A-Sci. 3, fws	Brooklyn, N. Y.
Bricklemyer, Eugene Costle, A-Sci. 2, fws	Philadelphia, Penna.
Bridges, William Samuel, G. C. 1, fws	Lumberton

Brietz, Edwin Raymond, Jr., A-Sci. 4, fws	Winston-Salem
Briggs, Oliver David, G. C. 1, fws	Lexington
Brinson, Amos Quinn, Ph. 1, f	Kenansville
Bristol, Leverett Frisbie, G. C. 1, fws	Montclair, N. J.
Britt, Edward Knox, C. 4, fws	Mt. Airy
Britt, Janie Malloy, A-Sci. 3, fws	Marion
Britt, Martin Luther, Ch. E. 3, s	Elizabeth City
Britt, Theodore Cleveland, G. C. 1, fws	Lumberton
Britt, Walter Thomson, Law 2, fs A.B., 1935	Turkey
Broadhurst, Edgar David, Jr., Law 2, fs	Greensboro
Broadhurst, Edward Marquette, Ci. E. 3, fws	Mt. Olive
Broadhurst, Samuel Davis, Jr., G. C. 1, fws	Mt. Olive
Broadwell, Tyree Kester, G. C. 1, fws	Angier
Broady, Harold, A-Sci. 3, fws	Lowell, Mass.
Broady, Joseph Edward, A-Sci. 3, f	Spencer
Brodie, Edmund, A-Sci. 2, fws	Henderson
Brogden, Willis James, Jr., A-Sci. 2, fws	Durham
Brooks, James Taylor, G. C. 1, fws	Greensboro
Brooks, Luther Eugene, C. 4, fws	Tarboro
Brooks, Walter Randall, G. C. 1, fws	Pittsboro
Brookshire, Douglas Courtney, A-Sci. 3, f	Asheville
Brookshire, Harley Gaskill, Jr., A-Sci. 4, fws	Asheville
Broome, Robert William, G. C. 1, fws	Marion
Browder, Robert Milton, Jr., C. 2, fws	Wallace
Brown, Battle, A-Sci. 2, w	Chapel Hill
Brown, Benjamin Blaine, G. C. 1, fws	Burlington
Brown, Claude Walter, C. 3, fws	Charlotte
Brown, Elon Rouse, A-Sci. 2, f	Hartsdale, N. Y.
Brown, Eugene Tulie, Ph. 1, fws	Colerain
Brown, Francis Sterling, A-Sci. 2, fws	Drexel Hill, Penna.
Brown, James Arthur, A-Sci. 2, f	Wilmington
Brown, Joseph Lee, A-Sci. 4, fws	New York, N. Y.
Brown, Milton Gaither, Jr., G. C. 1, fws	Winston-Salem
Brown, Margaret Lucinda, P. A. 3, fws	Asheville
Brown, Malcolm Macdonald, G. C. 1, fws	New York, N. Y.
Brown, Ray Everett, C. 3, fws	Shelby
Brown, Sutherland Mathewson, C. 2, fws	Charlotte
Brown, Timothy Dwight, A-Sci. 2, fws	Washington, D. C.
Brown, Walter Earl, Med. 2, fws A.B., 1934	Wilson
Brown, Walter Franklin, A-Sci. 3, fws	Charlotte
Browne, Thomas Reed, G. C. 1, fws	Seaside Park, N. J.
Bruce, Luther Columbus, Jr., Law 1, fs	Winston-Salem
Bruce, Thomas Milton, Ph. 2, fws	Hot Springs
Brunson, William Ellsworth, C. 3, fws	Monroe
Bruton, James Asa, A-Sci. 2, fws	West End

Bryan, Dan B., Law 3, fs A.B., 1933, Wake Forest Coll.	Wake Forest
Bryan, Francis Macon, G. C. 1, fws	Winston-Salem
Bryan, John Lindsay, C. 2, fws	Lillington
Bryant, Henry Perry, A-Sci. 4, fws	Pineville
Buccolo, Anthony Charles, C. 2, fws	Jersey City, N. J.
Buchanan, Ernest Chadwell, Ph. 4, fws	Union Mills
Buck, Paul Ernest, C. 4, ws	Bald Mountain
Buck, Richard Dale, A-Sci. 3, fws	Chapel Hill
Buck, Robert Wallace, G. C. 1, fws	Warsaw
Buffey, Ralph Herbert, G. C. 1, f	Ellzabeth, N. J.
Buffey, Walter H., A-Sci. 3, fws	Ellzabeth, N. J.
Bugan, Stephen John, A-Sci. 2, fws	Unionville, Conn.
Bulla, Thomas Fletcher, C. 2, fws	Asheboro.
Bullard, Edgar William, C. 3, fws	Gastonia
Bullard, Rupert E., Ph. 3, fws	Roseboro
Bullins, Ellis Spenser, G. C. 1, fws	Mayodan
Bullock, Blanche Jarvis, Ph. 2, fws	Autryville
Bullock, James Hope, A-Sci. 3, fws	Henderson
Bunch, Walter Anderson, G. C. 1, fws	Asheboro
Bunting, Van Asmus, A-Sci. 2, fws	Lake Forest, Ill.
Burch, Mary Frances, A-Sci. 2, f	Chapel Hill
Burch, Vella Jane, L. S., fws A.B., 1931, A.M., 1933, Duke University	Durham
Burd, Virginia Gordon, A-Sci. 3, fws	Deal, N. J.
Burgess, James Edward, P. A. 4, fws	Old Trap
Burgin, Ralph LeRoy, Jr., A-Sci. 4, fws	Winston-Salem
Burkhead, Franklin, C. 2, fws	Asheboro
Burks, Paschal Buford, A-Sci. 3, fws	Roseboro
Burnette, Richard Lewis, G. C. 1, fws	Rocky Mount
Burnette, Thomas Denmark, A-Sci. 2, fws	Tarboro
Burns, Gordon, G. C. 1, fws	Rocky Mount
Burns, Robert Otway, Ph. 1, f	Lawndale
Burrage, Beverly Page, C. 2, fws	Rocky Mount
Burwell, Clayton Lee, Law 3, fs B.S., 1932, Univ. of the South	Charlotte
Bush, Jean, Ph. 2, fws	Chapel Hill
Bush, June, Ph. 2, fws	Chapel Hill
Busick, John Oscar, II, A-Sci. 4, fws	Madison
Butler, George Oliver, A-Sci. 4, fws	Roseboro
Byerly, Frederick Lee, Med. 2, fws B.S., 1928	Cooleemee
Byerly, James Edwin, A-Sci. 3, fws	Lexington
Byers, James Edward, C. 2, fws	Shelby
Byfield, Ernest Lessing, G. C. 1, fws	Chicago, Ill.
Bynum, Isaac James, C. 2, fws	Pittsboro
Caffey, Frances, A-Sci. 4, fws	Lyon, Miss.

Cain, Carlton White, Ph. 2, f	Fayetteville
Caldwell, Bryan, A-Sci. 2, fws	Charlotte
Caldwell, Edward Everett, A-Sci. 2, fws	Chapel Hill
Caldwell, Jesse Burgoyne, Jr., A-Sci. 2, fws	Cramerton
Calhoun, Alan Taliaferro, G. C. 1, fws	Tryon
Callaway, William Edmund, G. C. 1, s	Albemarle
Calloway, Harold Clay, G. C. 1, f	Concord
Callum, Gaston Ward, G. C. 1, fws	Greensboro
Calverley, Fred Wilson, Law 1, fs	Vineland, N. J.
Calvert, John Strong, Jr., A-Sci. 3, fws	Black Mountain
Cameron, Joseph Harold, Ph. 2, fws	Fayetteville
Campbell, Coral Franklin, C. spec. fws	Charlotte
Campbell, Francis Wilson, E. E. 3, fws	Wallace
Campbell, Gordon Root, A-Sci. 3, ws	Enfield, Conn.
Campbell, Hester, A-Sci. 4, fws	Charlotte
Campbell, William Blount, G. C. 1, fws	Wilmington
Camper, Thomas Emory, P. H. A. spec., s	Camden, Del.
Canaday, Claude Carl, A-Sci. 2, fws	Benson
Cannady, George Andrew, G. C. 1, f	Chapel Hill
Cantrell, Clyde Hull, L. S. 1, fw A.B., 1933	Charlotte
Capps, Earl Uel, Ph. 3, fws	Fayetteville
Carey, Halsey Sherwood, Law 1, fs A.B., 1935, University of Rochester	Elmira, N. Y.
Carico, Robert Martin, A-Sci. 3, fws	Ennice
Carlisle, James Benjamin, A-Sci. 3, fws	Tarboro
Carmichael, James Whealton, C. 3, fws	Greensboro
Carne, Jack Boyd, E. E. 4, fws	Asheville
Carr, James Dickson, A-Sci. 3, fws	Wilmington
Carr, Montfort Boylan, C. 3, fws	Woodmere, N. Y.
Carr, R. L., P. H. A. spec. w	Kenansville
Carr, William Frederick, Jr., A-Sci. 2, fws	Durham
Carrier, Henry Nash, G. C. 1, fws	Brevard
Carroll, DeWitt Edward, A-Sci. 4, fws	Chapel Hill
Carroll, William Reynolds, P. H. A. spec., s	Blackville, S. C.
Carson, Merl John, Med. 2, fws A.B., 1934	Wilmington
Carter, William Baker, Law 1, fs	Washington
Carty, Samuel Charles, A-Sci. 3, w	Washington
Cary-Elwes, Herbert Ross, G. C. 1, fws	Saluda
Cate, Arlindo Sanders, Law 3, fs A.B., 1933	Greensboro
Cate, Eugene Russel, M. E. 4, fws	Chapel Hill
Cates, Clyde Hogan, G. C. 1, fws	Stem
Cates, Fred Claude, C. 2, fws	Spencer
Cates, George Henry, C. 3, fws	Mebane
Cavenaugh, Lucille, L.S., fws B.P., 1909, N.C. Coll. for Women	Dunn

Cavin, Wade Leonard, C. 3, fws	Troutman
Cawood, Carl Edward, G. C. 1, fws	Asheville
Cay, John Eugene, C. 3, fws	Savannah, Ga.
Cernugel, Tony Nickolas, G. C. 1, fws	Steelton, Penna.
Chaikin, Marvin, C. 2, fws	Cedarhurst, N. Y.
Chamness, Charles Clifton, A-Sci. 3, fws	Blenheim, S. C.
Chapman, John Sheffield, A.Sci. 4, fws	Wilmette, Ill.
Charman, Rubyetta, Med. 1, fws A.B., 1935, Duke University	Asheville
Cheatham, Edwin Joseph, G. C. 1, fws	Franklinton
Cheek, Atlas Lawrence, Jr., A-Sci. 4, fws	Chapel Hill
Cheek, Jack Allan, G. C. 1, fws	Greensboro
Cherry, Harry Willard, C. 3, fws	Draper
Cheshire, Joseph Blount, IV, G. C. 1, fws	Raleigh
Chesnutt, James Fletcher, A-Sci. 2, fws	Clinton
Chester, Burke, P. H. A. spec., s	Havana, Fla.
Chichester, William Taylor, C. 4, fws	Maplewood, N. J.
Chitty, Charles Aubrey, G. C. 1, fws.	Murfreesboro
Christy, Charles Wilson, G. C. 1, fws.	Hampton, Va.
Clare, John Laurence, A-Sci. 4, fws	Florence, S. C.
Clark, Albert Leslie, M. E. 4, fws	Williamston
Clark, Edward Braden, C. 4, fw	Elizabethtown
Clark, Franklin St. Clair, Law 3, f A.B., 1933, Columbia University	Fayetteville
Clark, Henry Toole, Jr., A-Sci. 3, fws	Scotland Neck
Clark, Jerome Bayard, Jr., Law 3, f A.B., 1933, Davidson Coll.	Fayetteville
Clark, John Graham, G. C. 1, fws	Greenville
Clark, Robert Draughon, A-Sci. 2, fws	Fayetteville
Clark, Sam Nash, Jr., C. 4, fws	Tarboro
Clark, William Fowden, C. 2, fws	Williamston
Clark, Walter K., C. 2, w	Hickory
Clark, William Rourk, A-Sci. 3, fws	Miami, Fla.
Clayton, Overton W., Jr., Law 2, fs A.B., 1935	Brevard
Clement, Hayden Croxton, G. C. 1, fws	Salisbury
Clements, Richard Erskine, Jr., G. C. 1, fws	Henderson
Clingman, Joel Pattillo, A-Sci. 2, fws	Winston-Salem
Clingman, William Francis, Jr., A-Sci. 4, fws	Winston-Salem
Coan, James Wiggins, A-Sci. 2, fws	Winston-Salem
Coates, Nancy Elizabeth, A-Sci. 4, fw	Smithfield
Cobb, Bertha Elizabeth, A-Sci. 4, fws	Durham
Cobb, William Hervey, G. C. 1, fws	Kinston
Cobbs, John Lewis, III, G. C. 1, fws	Larchmont, N. Y.
Coble, Lane Columbus, A-Sci. 4, ws	Albemarle
Coburn, Clarence Dowell, G. C. 1, fws	Roanoke Rapids
Coburn, Rufus Theodore, Jr., Law 2, fs	Raleigh

Cochrane, Fred Richard, Jr., A-Sci. 2, fws	Charlotte
Cochrane, William McWhorter, C. 3, f	Newton
Coddington, Dabney Minor, G. C. 1, fws	Charlotte
Coddington, Martha Johnston, A-Sci. spec. fw	Charlotte
Coe, Joffre Lanning, A-Sci. 2, fw	Greensboro
Coffey, William Henry, A-Sci. 2, fw	Waxhaw
Coffield, Henry Irwin, Jr., Law 1, fs	High Point
Coffin, Edwin Francis, Jr., Ci. E. 2, fws	New York, N. Y.
Cohen, Abram Dodgie, G. C. 1, fws	Far Rockaway, N. Y.
Cohen, Morton, G. C. 1, fw	Brooklyn, N. Y.
Coker, Coit McLean, A-Sci. 4, fws	Chapel Hill
Coker, Robert Ervin, Jr., A-Sci. spec. fws A.B., 1932	Chapel Hill
Cole, Harold Miller, C. 3, fws	Carthage
Cole, Robert Leake Steele, C. 3, fws	Rockingham
Cole, Roy Morgan, G. C. 1, fws	Forest City
Cole, William Jeffrey, G. C. 1, fws	Guilford, Conn.
Collett, Sterling Ruffin, A-Sci. 4, fw	Morganton
Combs, Lewis Wingfield, G. C. 1, ws	Wilson
Conderman, Robert J., G. C. 1, fws	New Bern
Conley, Hall, C. 2, fws	Andrews
Conley, Hugh Thomas, C. 3, fws	Marion
Conn, William Vincent, G. C. 1, fws	Teaneck, N. J.
Connell ,Earl Beardsley, A-Sci. 3, fws	Warrenton
Connelly, Robert Leith, C. 4, fws	Morganton
Conner, John William, C. 4, fws	Ocean City, Md.
Connor, Henry Groves, Jr., Law 3, f A.B., 1933	Wilson
Connor, Robert, G. C. 1, s	Brooklyn, N. Y.
Conte, Louis Benedict, Jr., A-Sci. 4, fws	Newark, N. J.
Cook, Frederick Thomas, G. C. 1, fws	Plainfield, N. J.
Cooke, Kenneth Overman, G. C. 1, fws	Goldsboro
Cooner, Bunyan Randolph, C. 3, fws	Washington, D. C.
Cooper, Francis Lane, G. C. 1, fws	Greensboro
Cooper, George Herbert, G. C. 1, fws	Philadalphia, Penna.
Cooper, Sophronia Moore, A-Sci. 4, fws	Oxford
Cooper, Watt Martin, A-Sci. spec. fw	Chapel Hill
Copeland, James William, Law 2, fs A.B., 1934, Guilford Coll.	Woodland
Copeland, Mary Virginia, Med. 1, fws A.B., 1935	Marion
Copeland, Robert Royal, Jr., A-Sci. 4, fws	Ahoskie
Copenhaver, Luther Lawrence, Jr., C. 2, ws	Johnson City, Tenn.
Cornwall, Aaron Woolley, C. spec., s	Winston-Salem
Cornwell, Amos Hal, Ph. 3, fws	Lawndale
Corpening, Albert Edward, A-Sci. 3, fws	Granite Falls
Corpening, Charles Lee, A-Sci. 3, fws	Lenoir

Corpening, William, G. C. 1, fws	Granite Falls
Correll, Coram Ernest, A-Sci. 3, fw	Chapel Hill
Corwith, Foster Howell, Ph. 4, fws	Southampton, N. Y.
Cotten, Lyman Atkinson, A-Sci. 4, fws.	Chapel Hill
Coughenour, William Chambers, Jr., A-Sci. 2, fws	Salisbury
Courtney, George Clarence, Jr., A-Sci. 3, fws	Lenoir
Covington, Ruth Carolyn, A-Sci. 3, fws	Fayetteville
Cowles, Anna Swift, A-Sci. 4, fws	Greensboro
Cox, Frank Calvin, G. C. 1, fws	Staley
Cox, Frank Warren, Jr., G. C. 1, fws	Washington
Cox, John Hulon, Med. 2, fws	Winston-Salem
Cox, John Richard, C. 2, fws	Port Chester, N. Y.
Cox, Loring DeWitt Talmage, Jr., A-Sci. 3, ws	Marion
Cox, Norwood, Jr., A-Sci. 4, fws	Richlands
Coxetter, James Geiger, Jr., A-Sci. 2, fws	Fort Bragg
Craig, Clifton Morton, Jr., G. C. 1, fws	Raleigh
Craig, Newton, A-Sci. 2, fws	Atlanta, Ga.
Craig, Ruth Winifred, A-Sci. 3, fws	Durham
Craige, Archibald Boyden, A-Sci. 2, fws	Winston-Salem
Craige, Ernest, G. C. 1, fws	El Paso, Texas
Craighill, James Brown, Law 1, fs	Rocky Mount
Craver, Thomas Burke, C. 2, fws	Yadkin College
Crawford, A. Craig, C. 3, fws	Chapel Hill
Crawford, Evelyn Kraber, A-Sci. 4, fws	Lenoir
Crawford, Joseph Benjamin, A-Sci. 3, fws	Goldsboro
Crawford, Vivian B., C. 4, fws	Chapel Hill
Crawley, Waldorf Stanley, G. C. 1, fws	Raeford
Credle, William Swindell, A-Sci. 3, fws	Oxford
Creech, James Leonard, Ph. 2, fws	Goldsboro
Creech. Lemuel Underwood, Med. 1, fws	Smithfield
Creedy, John Alan, G. C. 1, fws	Chapel Hill
Creedy, Phyllis Eveline, A-Sci. 3, fws	Chapel Hill
Crew, William Lunsford, A-Sci. 2, fws	Pleasant Hill
Crock, Alice Elizabeth, P. A. 4, f	Greensburg, Penna.
Crooks, Roy Cox, Jr., C. 2, fws	Concord
Croom, Martha Louise, P. A. 4, fws	Winston-Salem
Croom, William Penn, G. C. 1, fws	Hallsboro
Cross, Oliver Roane, C. 4, fws	Marion
Cross, Virginia Lee, P. A. spec. fws	Youngstown, Ohio
Crowell, Charles Milton, Ph. 3, fws	Norwood
Crowell, Ruth Worth, A-Sci. 3, fws	Newton
Crowell, Tom Lee, A-Sci. 4, fws	Charlotte
Crowell, Thomas Worth, Med. 1, fws A.B., 1935	Newton
Crowther, James Irving, P.H.A. spec., s	Baltimore, Md.
Cruikshank, Mary Pride, A-Sci. 4, fws	Raleigh

Crump, Walter Thadeus, Jr., G. C. 1, fws	Wagram
Crutchfield, Javan Lanier, Ci. E. 4, fws	Greensboro
Crystal, Robert Garrison, G. C. 1, fws	New Rochelle, N. Y.
Cucuzella, Dominic Anthony, G. C. 1, fws	Newark, N. J.
Culbertson, James Workman, Med. 2, fws B.S., 1932, Furman University; A.M., 1934	Woodruff, S. C.
Culbreth, Cecil Bruce, C. 3, fws	Stedman
Culbreth, Grey, E. E. 2, fws	Stedman
Cummings, Michael Penn, E. E. 2, fws	Reidsville
Cunningham, Robert Ervin, G. C. 1, fws	Monroe
Currence, Nat Harvey, C. 2, fws	Asheville
Currin, Harry Lee, C. 3, fws	Northside
Currin, Joseph Jenkins, G. C. 1, fws	Winston-Salem
D'Ascensio, Paul Thomas, A-Sci. 2, fws	Newark, N. J.
D'Elia, Albert Leo, A-Sci. 3, fws	New London, Conn.
Daber, Thaddeus Joseph, G. C. 1, fws	Mt. Airy
Daddario, Frank Thomas, M. E. 4, fws	Schenectady, N. Y.
Dail, George Norman, G. C. 1, fws	Winterville
Dalton, David Joseph, P. H. A. spec. s	Raeford
Dalton, Robert Albertson, G. C. 1, fws	Raleigh
Dalton, William Reid, Jr., A-Sci. 3, fws	Reidsville
Daniel, Arthur Fletcher, G. C. 1, fws	Lexington
Daniel, Charles William, A-Sci. 3, fws	Durham
Daniel, David Allen, A-Sci. 4, fw	Charlotte
Daniel, John Wright, C. 3, fws	Wilson
Daniel, William Mansfield, G. C. 1, fws	Atlanta, Ga.
Daniel, William Mathews, Law 1, fs	Wilson
Daniel, William Roscoe, G. C. 1, f	Fremont
Daniel, William Warren, A-Sci. 3 fws	Wilson
Daniels, Charles Flowers, A-Sci. 2, s	Wellesley Hills, Mass.
Daniels, Frank Borden, Jr., C. 2, fw	Goldsboro
Daniels, James Manly, A-Sci. 3, fws	Lexington
Daniels, Lydia Brawner, A-Sci. 3, fws	Chapel Hill
Danish, Robert Warren, A-Sci. 2, ws	Hollis, N. Y.
Darden, Allen Carr, C. 4, f	Ayden
Darden, Paul Clifford, A-Sci. 2, fws	Wilson
Darracott, Joseph Gamewell, G. C. 1, fws	Charlotte
Dashiell, Frederick Knowles, A-Sci. 3, fws	Chapel Hill
Davenport, Julian Mayo, G. C. 1, fws	Washington
Davenport, John Phin, C. 2, fws	Trenton
Davenport, Preston Ernest, C. 2, fws	Chapel Hill
Davis, Alfred Clements, C. 4, fw	Hillsboro
Davis, Angus Ferguson, Ch. E. 3, fw	Waxhaw
Davis, Charles Bushnell, Jr., Med. 1, fw	Aberdeen
Davis, Charles Marshall, C. 4, fws	Lexington
Davis, Douglas Jones, G. C. 1, fws	Roxboro
Davis, Daniel Wilborn, C. 3, f	Goldsboro

Davis, Glenn Benson, C. 1, fws	Dahlgren, Va.
Davis, Graham Bernard, C. 3, ws	Wilmington
Davis, Henry Marsden, G. C. 1, fws	Fayetteville
Davis, Hugh Milton, Ch. E. 3, fws	Winston-Salem
Davis, John Lorraine, C. 2, f	Greensboro
Davis, McDonald, Jr., Ph. 1, fws	Clinton
Davis, Mildred Winsor, L.S., fws	Hammond, La.
B.A., 1931, Louisiana State University	
Davis, Nannie Louise, C. 3, fws	Goldsboro
Davis, Robert Green Sutphin, Jr., G. C. 1, fws	Henderson
Davis, Samuel, Jr., G. C. 1, f ws	Clarksville, Va.
Davis, William Harris, Jr., Med. 1, fws	Asheville
Davis, William Joseph Graham, A-Sci. 2, fws	Washington, D. C.
Davis, William Kearney, A-Sci. 2, fws	Winston-Salem
Davison, John Murdock, A-Sci. 2, fws	Mamaroneck, N. Y.
Dawson, Victor Weyher, G. C. 1, fws	Kinston
DeBardeleben, Newton Hanson, Law 1, fs	Birmingham, Ala.
DeCarlo, Catherine Olive, A-Sci. 3 fws	Yonkers, N. Y.
DeFronzo, Nicholas Romeo, G. C. 1, fws	Newark, N. J.
DeGray, Edward John, A-Sci. 2, fws	Brooklyn, N. Y.
deMonseigle, Anita Pilar, A-Sci. 3, fws	Belmar, N. J.
Deal, Harry Mitchell, G. C. 1, fws	Taylorsville
Dean, Raymond Lee, C. 2, fws	Oxford
Deaton, Paul McNeely, Med. 1, fws	Statesville
Deaton, Walter Edison, A-Sci. 3, ws	Warsaw
Decker, Daniel Burt, A-Sci. 2, fws	South Orange, N. J.
Dees, James Parker, A-Sci. 2, fws	Greenville
Denmark, Joseph Buckner, G. C. 1, fws	Goldsboro
Deppe, Ellen Frances, A-Sci. 4, fws	Biltmore
Dermid, Jefferson Davis, G. C. 1, fws	Asheville
Derrickson, Joseph Patrick, A-Sci. 3, fws	Kennett Square, Penna.
Deviney, Forrest Edward, G. C. 1, f	Lawndale
Dickinson, James Harold, G. C. 1, fws	Rowland
Dickinson, Oscar Paul, Jr., A-Sci. 3, fws	Wilson
Dicks, Nancy Coltrane, A-Sci. 4, fws	Rockingham
Dicks, Patricia Ayer, A-Sci. 4, fws	Chapel Hill
Dicks, Robert Stanley, Ch. E. 2, fws	Chapel Hill
Diehl, Frank Marion, A-Sci. 3, fws	Charlotte
Dill, Lonnie Davis, G. C. 1, fws	Morehead City
Disher, Anthony Hamilton, G. C. 1, fws	Winston-Salem
Ditt, Arthur Harvey, A-Sci. 2, fws	Lebanon, Penna.
Dixon, Ben Franklin, G. C. 1, fws	Raleigh
Dixon, John Luther, Jr., A-Sci. 2, fws	Oriental
Dixon, William Grenade, A-Sci. 4, fws	Trenton
Dobbins, Samuel Herman, A-Sci. 3, w	Wheeling, W. Va.
Doggett, Lewis Belton, C. 3, fw	Forest City
Donohue, Albert M., C. 3, w	Ithaca, N. Y.

Dorsey, James Wilkinson, Law 2, fs	Atlanta, Ga.
Douglas, Donald Chase, Ci. E. 4, fws	Washington, D. C.
Douglas, Edward Wharton, C. 3, fws	Greensboro
Douglass, Dorothy, A-Sci. 3, f	Norfolk, Va.
Dover, Louis, A-Sci. 3, fws	Shelby
Dowd, Robert Marsh, Ch. E. 2, fws	Charlotte
Dowdle, Charles Norman, G. C. 1, f	Franklin
Dowling, William Andersen, A-Sci. 3, ws	New York, N. Y.
Doyle, Aloysius Thomas, G. C. 1, fws	Woodhaven, N. Y.
Drake, John Oliver, C. 4, fws	Warrenton
Drennon, William Pierce, G. C. 1, fws	Durham
duFour, Robert Blouard, A-Sci. 2, fws	Chappaqua, N. Y.
DuRant, Edward Marvin, Jr., C. 2, fws	Washington
Dudley, Leighton Wesley, A-Sci. 2, fws	Houlton, Maine
Dudley, Raymond Hill, G. C. 1, fws	Guilford, Conn.
Duff, Frank, C. 2, fws	Signal Mountain, Tenn.
Duffey, Richard Nixon, A-Sci. 4, fws	New Bern
Dunbar, Clarence Wendell, Ch. E. 4, fws	High Point
Dunham, Leverne, A-Sci. 3, fws	Geneseo, N. Y.
Dunham, Wallace Gamewell, A-Sci. 2, fws	Winston-Salem
Dunn, Byron L., P. H. A. spec., s	Moundsville, W. Va.
Dunn, Carl Nicholes, Jr., C. 4, f	Wilmington
Dunn, Mark Stevenson, Law 2, fs	New Bern
A.B., 1935	
Dunnagan, Robert Jones, G. C. 1, fws	Winston-Salem
Dunstan, Forrest Vaughan, Law 1, fs	Elizabeth City
A.B., 1935, Duke University	
Dupree, Franklin Taylor, Jr., Law 3, fs	Angier
A.B., 1933	
Dupree, Hermon Keck, G. C. 1, fws	Angier
Durfee, Winthrop Carver, A-Sci. 4, fw	Old Lyme, Conn.
Durham, Bruce Robert, G. C. 1, fws	Chapel Hill
Durham, Ralph Lane, A-Sci. 3, fws	Lomax
Eagles, Fred Moye, Law 1, fs	Wilson
Eason, Donald Haines, A-Sci. 4, fws	New York, N. Y.
Eason, Elizabeth Bruner, L. S. 1, ws	Chapel Hill
B.S., 1931, George Peabody Coll.; A.M., 1933, Duke University	
Easter, John Earle, A-Sci. 4, fws	Lexington
Eaton, Charles Edward, A-Sci. 4, fws	Winston-Salem
Eberhart, Paul Marcus, A-Sci. 2, fws	New York, N. Y.
Eckert, Walter Henry, C. 2, f	Amityville, N. Y.
Eddleman, John Holland, C. 2, s	Gastonia
Edwards, Alton Blaine, A-Sci. 4, fws	Hamlet
Edwards, Charles Wharton, Jr., A-Sci. 4, fws	Greensboro
Edwards, Frederick Anthoney, G. C. 1, fw	Durham
Edwards, John Reid, A-Sci. 4, fws	Asheville
Edwards, Luther Kenneth, Jr., Ph. 2, fs	Stantonsburg
Edwards, William Gray, Ph. 1, fws	Spring Hope

Efird, Watt Guy, Jr., G. C. 1, fws	Albemarle
Ehringhaus, Haughton, A-Sci. 2, fws	Raleigh
Ehringhaus, John C. B., Jr., Law 2, fs	Raleigh
Eichorn, Ralph David, C. 2, fws	New York, N. Y.
Eidson, Alice Lavinia, A-Sci. 3, fws	Chapel Hill
Eisenberg, Robert, C. 4, fws	Winston-Salem
Eisenberg, Seymour, G. C. 1, fws	Winston-Salem
Eller, Adolphus Hill, Jr., A-Sci. 2, fws	Winston-Salem
Ellington, Alfred Jackson, Law 2, fs	Madison
Ellington, John Ray, G. C. 1, fws	Oxford
Ellington, Richard Alexander, C. 4, fws	Madison
Elliot, Edwin Timanus, G. C. 1, fws	Germantown, Penna.
Elliott, Arthur Graham, G. C. 1, fws	Washington
Elliott, Guelda Hillyard, A-Sci. spec. fws	Chapel Hill
Elliott, John Palmer, A-Sci. 3, fws	Fuquay Springs
Ellis, Albert Joseph, Law 1, fs B.S., 1935	New Bern
Ellis, Albert Luther, C. 3, fws	Banner Elk
Ellis, James Hugh, A-Sci. 2, fws	Nashville
Ellisberg, Mortimer, C. 4, fws	Raleigh
Ellison, Arnold Daniel, A-Sci. ws	Charleston, S. C.
Ellison, Robert Emmet, C. 2, fws	Matthews
Elmendorf, John vanGaasbeck, A-Sci. 3, fws	New Haven, Conn.
Elmore, Samuel Eltinge, Jr., A-Sci. 4, fws	Spindale
Elrod, Joseph Edgar, Jr., A-Sci. fws	Charlotte
Elwell, Alfred Maul, A-Sci. 2, fws	Camden, N. J.
Emory, Mary Dortch, A-Sci. 4, fws	Chapel Hill
Engel, Marvin Bernard, A-Sci. 3, ws	Brooklyn, N. Y.
Ennis, Thurman Carroll, A-Sci. 3, fw	Coats
Erickson, John Raymond, C. 3, fws	Chapel Hill
Erlanger, Michael Charles, A-Sci. 3 f	New York, N. Y.
Ernst, Marion Cecil, C. 2, fws	Chapel Hill
Erwin, Joseph Richard, P. H A. spec., s	Lewisburg, W. Va.
Erbinsky, Leo, Med. 2, fws A.B., 1934	Bronx, N. Y.
Essey, Louis James, A-Sci. 2, fws	Maxton
Etheridge, Paul Hayes, Jr., G. C. 1, fws	Kenly
Eubank, Hampton F., Med. 1, fw A.B., 1935, Duke University	Hudgins, Va.
Eudy, William Odis, Ph. spec. f	Burlington
Eutsler, Eugene Ernest, Jr., E. E. 4, fws	Goldsboro
Eutsler, Stuart Keith, G. C. 1, fws	Goldsboro
Evans, Charles A., Ci. E. 2 fws	Statesville
Evans, Joseph Carlton, A-Sci. 4, f	Maxton
Evans, Mary Crockett, A-Sci. 3, fws	Bluefield, W. Va.
Evans, Webb Frederick, A-Sci. 3, fws	Carrboro
Evins, Thomas Moore, A-Sci. 4, fs	Oxford

Ewbank, Frank Wyttenback, Ch. E. 3, fws	Hendersonville
Exum, Wyatt Patrick, A-Sci. 3, fw	Goldsboro
Exum, Woodrow Wilson, C. 2, fws	Snow Hill
Fackner, William Pratt, C. 2, fws	Washington, D. C.
Faison, Thomas G., P. H. A. spec., s	Winton
Falk, Robert Witherspoon, C. 2, fws	Sayville, N. Y.
Farfour, John Allen, G. C. 1, fws	Goldsboro
Farlow, Worth L., C. 2, fws	High Point
Farmer, Joseph Arthur, Grad. fw; A.Sci. spec. s A.B., 1935	Shelby
Farmer, John Deaver, A-Sci. 3, fws	Wilmington
Farrell, Frank Morgan, G. C. 1, fws	Bronx, N. Y.
Farrell, Octavius Wilson, C. 4, fws	Mebane
Farrior, Jessie Broadhurst, P. H. A. spec. w M.D., 1921, University of Oregon	Goldsboro
Farthing, James Colly, Law 1, fs	Lenoir
Farthing, William Lee, Jr., C. 2, fws	Durham
Fason, Theodore, G. C. 1, fw	Durham
Fast, Seymour W., A-Sci. 2, f	Newark, N. J.
Faucette, John Cleo, C. 3, fws	Durham
Fauntleroy, Anne, A-Sci. 4, fws	Charleston, S. C.
Fawcett, George Thomas, C. 4, fws	Mt. Airy
Feldman, Joseph David, A-Sci. 3, ws	New York, N. Y.
Feldman, Morton, A-Sci. 2, fws	Woodmere, N. Y.
Fendley, Moses Lacy, Jr., Ch. E. 2, fw	Charlotte
Fenegan, Oscar James, A-Sci. 3, fws	Laurinburg
Ferger, James, A-Sci. 3, fws	Cincinnati, Ohio
Ferguson, Fletcher Wilson, A-Sci. 2, fws	New Haven, Conn.
Ferguson, Richard, Jr., G. C. 1, fws	Gastonia
Fergusson, Waddy Alvin, A-Sci. spec. f	Norfolk, Va.
Ferrando, Robert, A-Sci. 3, fws	New York, N. Y.
Ferrell, James Frank, A-Sci. 3, fws	Asheville
Fidel, George, A-Sci. 2, fws	Newark, N. J.
Field, Dan Benning, Jr., E. E. 4, fws	Groonsboro
Fields, William Coffield, III, A-Sci. 2, fws	Fayetteville
Finch, Harry Clinton, Law 2, fs A.B., 1932	Wilson
Fink, Bernard, G. C. 1, fws	Schenectady, N. Y.
Finley, James Ferguson, A-Sci. 3, fws	Chattanooga, Tenn.
Finley, Margaret Elizabeth, A-Sci. 4, fws	Holly Springs, Miss.
Fiore, Angelo Ralph, A-Sci. 4, f	Atlantic City, N. J.
Fischer, Walter Edward, G. C. 1, fws	Scranton, Penna.
Fischman, Herbert Joseph, A-Sci. 2, fws	Newark, N. J.
Fisher, Joseph Jerome, C. 3, fws	Houstonville
Fistel, Carl Murray, G. C. 1, fws	White Plains, N. Y.
Fitts, Henry Hunter, G. C. 1, fws	Macon
Fitts, Morris Calvert, C. 2, fws	Cortland, N. Y.

Flanders, Nancy, A-Sci. 2, fws	Hendersonville
Flannagan, Eric G., Jr., E. E. 2, fws	Henderson
Fleming, Carey Hunter, G. C. 1, fws	Raleigh
Fleming, Strother Callaway, Jr., G. C. 1, fws	Atlanta, Ga.
Fletcher, Guy William, C. spec. f	East Bend
Fletcher, Joseph Lambert, G. C. 1, fws	Winston-Salem
Fletcher, Joseph Reid, C. 3, fws	Winston-Salem
Fletcher, William McClain, A-Sci. 4, fws	Washington, D. C.
Florance, William Alexander, C. 4, fws	Greensboro
Floyd, James Pleasant, Jr., G. C. 1, fws	Oxford
Flynt George William, P. A. 3, fws	Winston-Salem
Flynt, Rufus Guy, G. C. 1, fws	Winston-Salem
Flynt, Sandy Richard, C. 2, fws	Winston-Salem
Folks, William Randolph, C. 2, fws	Wagram
Folsom, Julia Rice, A-Sci. 3, fws	Tampa, Fla.
Foltz, Paul Otto, A-Sci. 2, fws	Winston-Salem
Fontaine, John Pierceall K., G. C. 1, fws	Martinsville, Va.
Fonvielle, Wayne Alexander, G. C. 1, fws	Wilmington
Foote, Shelby Dade, G. C. 1, fws	Greenville, Miss.
Forbes, Gus Evans, G. C. 1, fws	Greenville
Ford, Lamar Hunter, G. C. 1, fws	Kannapolis
Ford, William, Jr., A-Sci. 2, fws	Fairmont
Foreman, John Born, C. 2, fws	Glencoe, Ill.
Forrest, Benjamin Franklin, P. H. A. spec., s	Saluda, S. C.
Fortune, Benjamin Fletcher, A-Sci. 3, fws	Greensboro
Fotouhi, Abol Hassan, A-Sci. 3, fws	Tabriz, Persia
Fountain, Lawrence H., Law 3, fs A.B., 1933	Tarboro
Fox, Howard Spencer, Ph. 3, fws	Asheboro
Fox, James Hamilton, Ph. 1, fws	Asheboro
Frame, Silas William, P. H. A. spec., s	Morgantown, W. Va.
Francis, Joseph Snelson, M. E. 2, fws	Bryson City
Francis, John Willard, A-Sci. 2, fws	Philadelphia, Penna.
Frank, Lawrence, A-Sci. 3, fws	Brooklyn, N. Y.
Frank, William Thomas, A-Sci. 2, fws	Newark, N. J.
Fraser, George Ransom, M. E. 4, fw	Pottstown, Penna.
Frazelle, Z. W., Jr., G. C. 1, fws	Richlands
Frazier, Rose Marie, L. S., fws A.B., 1929, Duke University	Durham
Frazier, Richard Vann, E. E. 4, f	Greensboro
Freeman, Dexter Lynn, A-Sci. 3, fws	Ellerbe
Freeman, Earl Ferrell, G. C. 1, f	Bat Cave
Freeman, Felton Dale, G. C. 1, fws	Ellerbe
Freeman, J. P., A-Sci. 3, f	Colerain
Freeman, Sam Williamson, C. 4, fws	Bat Cave
French, Thomas Butler, C. 4, fws	Statesville
Freudenheim, Theodore E., G. C. 1, fws	Brooklyn, N. Y.

Friedman, Joseph, G. C. 1, ws	New York, N. Y.
Friedman, Mordecai, A-Sci. 4, fws	Baltimore, Md.
Frink, John Westlake, A-Sci. 3, fws	Chapel Hill
Froelich, William Earle, G. C. 1, fw	Winston-Salem
Fry, Carl Reinhardt, Ch. E. 3, fws	Washington, D. C.
Fry, Thomas McElhenney, G. C. 1, fws	Augusta, Ga.
Fry, John Robert, A-Sci. 3, fws	Asheville
Fulenwider, Henry Lane, C. 4, f	Savannah, Ga.
Fulghum, John Richard, A-Sci. 4, fws	Goldsboro
Fuller, Edward James, A-Sci. 2, fws	Salem, Mass.
Fuller, James Ernest, A-Sci. 3, fw	Columbus, Ga.
Fulton, James Fairfax, P. H. A. spec., s	Staunton, Va.
Furchgott, Robert Francis, A-Sci. 3, fws	Florence, S. C.
Fussell, John Henry, Jr., C. 3, fw	Wilmington
Fussler, Herman Howe, L. S., fws A.B., 1935	Chapel Hill
Futrell, Clyde Loraine, Ph. 2, fws	Pine Level
Gaddy, Ellis Patrick, Ph. 1, fws	Ellerbe
Gaddy, Phil, Ph. 2, fws	Marshville
Gainey, William Walter, G. C. 1, fws	Parkton
Gallo, Edward Ernest, G. C. 1, fws	Braddock, Penna.
Gallo, John Henry, G. C. 1, fws	Braddock, Penna.
Galloway, Adrian Eure, Ph. 3, fws	Bolivia
Gambill, Robert Mack, Law 3, f	Crumpler
Gamble, David Worth, A-Sci. 4, fws	Waxhaw
Gammon, Edgar Graham, Jr., A-Sci. 3, fws	Charlotte
Gant, Corinna Erwin, A-Sci. 3, fw	Raleigh
Gardiner, Robert Morris, A-Sci. 3, fws	Germantown, Penna.
Gardner, Janie Lee, A-Sci. 3, s	Chapel Hill
Gardner, Lytt Irvine, A-Sci. 2, fws	Reidsville
Garelik, Sanford Daniel, C. 2, fws	New York, N. Y.
Garland, Robert Franklin, C. 2, fws	Marshville
Garrell, Robert McMillan, Jr., G. C. 1, f	Tabor City
Garrett, John Walton, A-Sci. 3, fws	Danville, Va.
Garris, Frank Boyd, G. C. 1, f	Goldsboro
Garrison, Oliver Hamilton, C. 4, fws	Unionville
Gatewood, Thomas E., C. 3, fws	Wadesboro
Gatling, Gladstone Daughtry, A-Sci. 4, fws	Gates
Gavin, Harold Winford, Law 2, fs	Sanford
Gavin, Robert Lee, A-Sci. 4, fws	Sanford
Geary, John Maurice, A-Sci. 3, fws	Salisbury
Gegerson, Nathan T., A-Sci. 3, fws	Brooklyn, N. Y.
Genell, Lauren Emmanuel, G. C. spec. s	Oakland, Calif.
Gentieu, Norman Pierre, G. C. 1, f	Carney's Point, N. J.
George, D'Arcy Roscoe, A-Sci. 3, fws	White Plains, N. Y.
Gewolb, Marvin Herbert, G. C. 1, fws	New York, N. Y.
Geyer, Nina Carolyn, A-Sci. spec., f	Neosho, Missouri

Gholson, Wilbur Lytle, A-Sci. 4, fws	Wilmington
Gibbs, Eloise, A-Sci. 4, fws	Columbia
Gibson, Francis Duncan, A-Sci. 4, fws	Gibson
Gibson, James Cunningham, G. C. 1, fws	Concord
Gibson, John Ebert, A-Sci. 3, fws	Gibson
Gibson, Milton Reynolds, Jr., A-Sci. 3, fws	Raleigh
Giddins, Sam Gary, M. E. 4, fws	Brooklyn, N. Y.
Gifford, James Gordon, C. 2, fws	Southern Pines
Giffuni, Andrew Louis, G. C. 1, s	Brooklyn, N. Y.
Giffuni, Joseph Vincent, A-Sci. 2, fw	Brooklyn, N. Y.
Gilbert, John Paul, A-Sci. 4, fws	Wilson
Gilbert, Loamie, Jr., Ph. 4, fws	Benson
Gilbert, Ralph Ury, A-Sci. 2, ws	Wilson
Giles, Harry Derrick, A-Sci. 3, fws	Danville, Va.
Gilkey, John Millard, G. C. 1, fws	Marion
Gillam, Moses Braxton, A-Sci. 3, fws	Windsor
Gillespie, Chester Nell, Ph. 1, fw	Chapel Hill
Gilliam, Donnell, Jr., G. C. 1, fws	Tarboro
Gilliam, James Sylvester, Jr., A-Sci. 4, fws	Altamahaw
Gilman, Justin Morton, G. C. 1, fws	Chelsea, Mass.
Gilmore, Charles Wurster, A-Sci. 2, fws	Charlotte
Gilmore, Voit, G. C. 1, fws	Winston-Salem
Ginsberg, Roger, A-Sci. 4, fws	Asheville
Given, Robert Windate, A-Sci. 3, fws	New York, N. Y.
Glass, William Thomas, Jr., Ph. 4, fws	Sanford
Glenn, James Kirk, A-Sci. 2, fws	Winston-Salem
Glenn, John Louis, Ch. E. 2, fws	Charlotte
Glidewell, Powell Watkins, Jr., Law 1, fs	Reidsville
Goddard, Ralph Victor, G. C. 1, fws	Wilmington, Del.
Gold, Charles F., Jr., Law, 2, fs B.S., 1934, Davidson Coll.	Rutherfordton
Gold, Hillard, G. C. 1, fws	Brooklyn, N. Y.
Gold, Thomas Byron, A-Sci. 3, fws	Shelby
Goldberg, Herbert Alexander, C. 2, fws	Bessemer City
Goldberg, Murray, G. C. 1, fws	Hempstead, N. Y.
Goldberg, Morton Robert, G. C. 1, fw	Brooklyn, N. Y.
Goldenthal, Edgar Joseph, A-Sci. 3, fws	New York, N. Y.
Goldman, Gerson Mandel, A-Sci. 4, fws	Elizabeth, N. J.
Gooding, Francis Gerig, Jr., A-Sci. 2, fw	Charlotte
Goodman, Erastus Genair, A-Sci. 3, fws	Leland
Goodman, Joseph, G. C. 1, s	Brookland, N. Y.
Goodwin, Malcolm Noyes, Ph. 1, fws	Greensboro
Gordon, Abraham, C. 2, fws	Goldsboro
Gordon, Francis Marshall, G. C. 1, fws	North Tonowanda, N. Y.
Gordon, Harold, A-Sci. 4, fws	Brooklyn, N. Y.
Gordon, James Edward, C. 2, fws	Hillsboro
Gordon, Lewis, G. C. 1, fws	Miami, Fla.

Gordon, Philip Elihu, A-Sci. 4, fws	Newark, N. J.
Gordon, Sidney, A-Sci. 3, fws	Brooklyn, N. Y.
Gordy, Thomas Daniel, E. E. 4, fws	High Point
Gore, Arabella, L. S., fws A.B., 1935, Meredith Coll.	Wilmington
Gores, Gertrude Gretchen, A-Sci. 4, fws	Weaverville
Gorham, James Samuel, Law 3, fs B.S., 1931	Rocky Mount
Gottlieb, Allan William, G. C. 1, fws	Brooklyn, N. Y.
Gouger, John Lewis, C. 3, fws	Mooresville
Gould, Edgar Hunt, Jr., G. C. 1, fws	Raleigh
Gove, John Raymond, Ci. E. 2, fws	Bergenfield, N. J.
Gover, Alex McGowin, A-Sci. 2, fws	Charlotte
Grady, Lionel Orion, G. C. 1, fws	Warsaw
Grady, Paul Davis, Law 1, fs A.B., 1934, Atlantic Christian Coll.	Kenly
Graham, Alexander Hawkins, Jr., G. C. 1, fws	Hillsboro
Graham, Arthur Leon, Ph. 1, fws	Hamlet
Graham, Nevin Daniel, A-Sci. 3, fw	Hamlet
Graham, Reuben Holmes, C. 2, fws	Charlotte
Graham, Walter Raleigh, A-Sci. 4, fs	Charlotte
Grant, Edward Price, C. 3, fws	Warrenton
Grant, Henry Boone, A-Sci. 2, fws	Garysburg
Grant, John Brewster, Law 2, fs B.S., 1934, Davidson Coll.	Mocksville
Grantham, Donald James, A-Sci. 2, fws	Four Oaks
Graves, George Calvin, C. 2, fs	Charlotte
Gray, Johnston William, G. C. 1, fws	Bethesda, Md.
Gray, Thomas Burke, Med. 1, fw	Murphy
Greely, Ralph John, G. C. 1, fws	Gloucester, Mass.
Green, Edgar Lester, Jr., C. 2, fw	Catonsville, Md.
Green, Ruth Elizabeth, A-Sci. 2, fws	Hyatsville, Md.
Greene, David Rawlins, Ph. 1, fws	Charlotte
Greene, Juanita, A-Sci. 4, fws	Harlan, Ky.
Greene, Mary Elizabeth, A-Sci. 3, fws	Drexel
Greene, Thomas Williams, C. 2, fws	Ahoskie
Greer, John Edwin, Ch. E. 2, fws	Andrews
Greeson, Michael Ralph, C. 2, fws	Greensboro
Greet, William Bibb, A-Sci. 4, fws	Asheville
Gregg, Mary Agnes, A-Sci. 3, fws	Great Neck, N. Y.
Gregory, Fletcher Harrison, G. C. 1, fws	Halifax
Grenzebach, John Edward, G. C. 1, s	Orchard Park, N. Y.
Grier, John Calvin, Jr., A-Sci. 4, fws	Charlotte
Grier, Joseph Williamson, Jr., A-Sci. 3, fw	Charlotte
Griffin, Clarence Alonzo, Jr., C. 3, fws	Rocky Mount
Griffin, Clarence Walton, Law 1, fs A.B., 1935	Williamston
Griffin, Irvin Clifford, C. 3, fws	Williamston

Griffin, John Franklin, Jr., A-Sci. 3, fws	Rocky Mount
Griffin, Roscoe Dillard, C. 2, fws	Rocky Mount
Griffin, William Howard, G. C. 1, fws	Williamston
Grimes, Clyde William, Jr., E. E. 2, f; A-Sci. 2, s	Charlotte
Grimes, George David, Jr., G. C. 1, f	Robersonville
Grimes, Junius Daniel, Jr., C. 3, fws	Washington
Groome, Cicero Hunt, Jr., C. 4, s	Greensboro
Groover, Marshall Eugene, P. H. A. spec. s	La Grange, Ga.
Gross, Harold Irvin, G. C., 1, ws	Kinston
Grossman, Philip Davey, G. C. 1, fws	Spencer
Grover, Malcolm Laurence, C. spec. fws	Southern Pines
Grubb, Foy Eugene, C. 2, fws	Spencer
Guarino, Robert Paul, Ci. E. 3, ws	High Point
Guelker, James Melvin, C. 2, fws	Asheville
Gunn, Howard Townsend, C. 2, fws	Rocky Mount
Gunn, Ralph Amos, A-Sci. 3, ws	Reidsville
Gurney, Thomas Wesley, G. C. 1, fws	Burlington, Vt.
Guy, Curtis Addison, G. C. 1, fws	Angier
Gwyer, Arthur Mace, G. C. 1, fws	Pelham Manor, N. Y.
Gwyn, Harvey William, A-Sci. 4, fw	Mt. Airy
Gwynn, Dallas Edmund, C. 2, fws	Leaksville
Hackett, John Byron, C. 3, fws	Roselle Park, N. J.
Hackney, Daniel Ashby, G. C. 1, fws	Spencer
Hackney, James Acra, Jr., A-Sci. 2, ws	Washington
Haddaway, Warren Monroe, C. 2, fws	West Chester, Penna.
Hagey, Robert Hendee, C. 2, fw	Chicago, Ill.
Hagood, Louis Reeve, E. E. 4, fw	Chinquapin
Hairston, Nelson George, A-Sci. 3, fws	Mocksville
Hale, Ethel Elizabeth, L. S., fws B.S., 1929, Elmira Coll.	Sweet Briar, Va.
Hall, Augustus Steele, A-Sci. 2, fws	Oxford
Hall, Alexander Weldon, Jr., C. 2, fws	Warrenton
Hall, Burwell Freeman, G. C. 1, fws	Asheville
Hall, Edgar Milton, Jr., Med. 2, fws A.B., 1934, Duke University	Lillington
Hall, Eugene Tommy, A-Sci. 2, fws	Mt. Airy
Hall, James William, G. C. 1, fws	Atlanta, Ga.
Hallet, Robert Calloway, P. H. A. spec., s	Eastville Station, Va.
Halsey, William Bradley, Ph. 2, fws	Sparta
Ham, Isaac Duncan, G. C. 1, fws	Greensboro
Hamer, Beverley DuBose, A-Sci. spec. fws	Eastover, S. C.
Hamilton, Allen Simon, Law 1, fs	Sea Level
Hamilton, Fred Russell, C. 4, fws	Hamlet
Hamilton, Horace Emerson, C. 3, fws	Chapel Hill
Hamilton, Ned Sprunt, G. C. 1, fws	Chapel Hill
Hamilton, Oscar Alexander, Jr., M. E. 4, fws	Chapel Hill
Hamilton, Paul Henry, G. C. 1, fws	Stamford, Conn.

Hamlin, Edwin Jones, A-Sci. 2, fws	Roxboro
Hammer, Philip Gibbon, A-Sci. 4, fws	Wilmington
Hammond, Eleanor Anne, A-Sci. 4, fws	Asheboro
Hampton, Edward Bolton, Jr., G. C. 1, fws	Winston-Salem
Hampton, Elizabeth Louise, A-Sci. 4, fw	Pine Bluff
Hampton, Peggy, A-Sci. 3, fws	Asheville
Hamrick, Howard Luther, A-Sci. 2, fws	Lattimore
Hancock, Franklin Willis, Jr., G. C. 1, fws	Oxford
Hancock, Stoddard Page, A-Sci. 2, fws	New York, N. Y.
Hanes, Alex Stephens, Jr., A-Sci. 4, fws	Winston-Salem
Hansen, Betty McLean, L. S., fws A.B., 1935	Asheville
Hard, Stephen Bois, A-Sci. 2, fws	Cedarhurst, N. Y.
Hardesty, Julian Smith, G. C. 1, fws	Raleigh
Hardie, John Livingstone, A-Sci. spec. ws	Mebane
Hardison, Luther Lindon, A-Sci. 2, fws	Edenton
Hardison, Robinson Battle, C. 4, f	Morven
Hardison, Robert Lee, A-Sci. 4, fws	Edenton
Hardison, Sidney Merle, G. C. 1, fws	Rocky Mount
Hardré, Rene, Med. 1, fws	Greensboro
Hargett, Walter Lee, Jr., A-Sci. 4, fws	High Point
Harkey, William A., C. 3, ws	Sanford
Harkins, Herschel Springfield, A-Sci. 3, fws	Asheville
Harlow, Thompson Ritner, A-Sci. 3, fws	Raleigh
Harney, William Capehart, G. C. 1, fws	Norfolk, Va.
Harney, William Selby, Ch. E. 4, fw	Norfolk, Va.
Harrell, Sam Pierce, C. 2, fw	Marshville
Harrelson, George David, G. C. 1, f	Cherryville
Harriman, Joseph Kimball, A-Sci. 2, fws	Asbury Park, N. J.
Harrington, Avis Lee, Ph. 1, fws	Polkton
Harrington, William Eugene, G. C. 1, fws	Washington
Harris, Allen Kenneth, A-Sci. 4, fw	Newark, N. J.
Harris, Arthur Lawrence, C. 2, fws	Seaboard
Harris, George W., A-Sci. 2, fw	Seaboard
Harris, Harvey William, C. 4, f	Raleigh
Harris, James Gilmer, A-Sci. 4, fws	Charlotte
Harris, Richard Alexander, Jr., C. 4, fws	Valdosta, Ga.
Harris, William Clinton, Jr., Law 3, fs A.B., 1935	Raleigh
Harris, William Inge, G. C. 1, fws	Weldon
Harrison, Kate Tabb, P. A. 4, fws	Brook Hill, Va.
Harriss, Charles Johnson, G. C. 1, fws	Wilmington
Harriss, Mears, Jr., A-Sci. 2, fws	Wilmington
Hart, William Almon, II, C. 3, fws	Tarboro
Harvey, Harry Francis, A-Sci. 2, fws	Salisbury
Harward, Rufus Franklin, A-Sci. 3, fws	Raleigh
Hash, Rebekah, L. S., fws A.B., 1928, Limestone Coll.	Smithfield

Haskett, Morris Bearden, A-Sci. 2, fws — Wilmington
Hastie, Carlisle Norwood, Jr., C. 3, s — Charleston, S. C.
Hastie, John Drayton, G. C. 1, fws — Charleston, S. C.
Hatch, Samuel Phillips, C. 4, fws — Sanford
Hatcher, Samuel Westbrook, G. C. 1, fws — Mount Olive
Hauser, Bert, C. 2, f — Far Rockaway, N. Y.
Hawes, John Robert, A-Sci. 3, fw — Marion
Hawfield, Samuel Glenn, E. E. 2, fws — Concord
Hawley, John Holman, Jr., C. 3, f — Goldsboro
Hawthorne, Thomas Joseph, C. 4, fws — Charlotte
Hayes, Julian Mixon, G. C. 1, fws — Aurora
Hayes, Kenneth Crawford, A-Sci. 4, fws — Greensboro
Hayes, William Anderson, Ph. 4, fws — Hillsboro
Haynsworth, Mary Crittenden, A-Sci. 3, fws — Greenville, S. C.
Haywood, Fabius Julius, Jr,, A-Sci. spec. s — Concord
Haywood, Hubert Benbury, Jr., A-Sci. 4, fws — Raleigh
Haywood, Thomas Carroll, G. C. 1, fws — Concord
Hayworth, Jackson Stephen, G. C. 1, fws — Asheboro
Hazzard, John Daniel, A-Sci. 3, fws — Wilmington, Del.
Heady, William Lowerre, A-Sci. 4, fws — Northampton, Mass.
Heard, George Alexander, A-Sci. 2, fws — Savannah, Ga.
Hearn, Bunn, Jr., A-Sci. 3, fws — Wilson
Hearne, Elmina Hughes, L. S., fws — Albemarle
A.B., 1935
Hecht, Charles Kohn, Jr., G. C. 1, fws — Columbus, Ga.
Hecht, Morris, C. 2, fws — Columbus, Ga.
Heller, Richard Paul, Ch. E. 2, fws — Charlotte
Helliwell, George Y., C. 3, fws — Charlotte
Helms, Francis Bernard, C. 2, fws — Wingate
Helms, John Reece, A-Sci. 4, fws — Marshville
Helms, Worth McLendel, A-Sci. 2, fws — Charlotte
Helsabeck, Charles Robert, A-Sci. 3, fws — Rural Hall
Hendel, Lawrence, A-Sci. 2, fws — New London, Conn.
Henderson, Archibald, Jr., A-Sci. 3, fws — Chapel Hill
Henderson, Cora Emmaline, A-Sci. 4, fws — Graham
Henderson, Cranmer Hildreth, C. 2, fws — Wilmington
Henderson, David Eldridge, M. E. 2, fws — Winston-Salem
Henderson, Frederick Gustave, Jr., Law 2, fs — Monroe
A.B., 1935
Henderson, John Steele, G. C. 1, fws — Chapel Hill
Henderson, Walter Alexander, Jr., A-Sci. 3, f — Monroe
Hendricks, Norman Ray, G. C. 1, fw — High Point
Hendrickson, Edward H., Ch. E. 2, fw — Belmar, N. J.
Hendrix, William Houston, Jr., G. C. 1, fws — Greensboro
Henle, Jane Elizabeth, A-Sci. spec. fws — Cleveland, Ohio
Henley, Thomas Franklin, Med. 2, fws — Laurinburg
Henry, David Probasco, A-Sci. 4, s — New Bern

Henry, Mary Elizabeth, A-Sci. 2, ws — Chapel Hill
Henry, Marina Hoyt, Med. 2, fws — Chapel Hill
A.B., 1934
Henson, James Lamar, G. C. 1, fws — Murfreesboro
Henson, Robert Lee, E. E. 4, fws — Murfreesboro
Hernandez, Benjamin Francis, Jr., G. C. 1, fw — Larchmont, N. Y.
Herring, David Livingston, G. C. 1, fws — Ayden
Herring, Edward Lewis, M. E. 3, fws — Fayetteville
Hewitt, Elwood Carey, G. C. 1, fws — Elizabeth City
Hewitt, William Leonard, G. C. 1, fws — Elizabeth City
Heyward, Francis Dewey, A-Sci. 2, fws — Goldsboro
Hicks, Richard Hilton, A-Sci. 3, fws — Rocky Mount
Hicks, Tom Westray, C. 4, fws — Rocky Mount
Higby, John Baldwin, Law 2, fs — Madison, Wis.
A.B., 1934, University of Wisconsin
Hilderman, Walter Carrington, G. C. 1, fws — Danville, Va.
Hill, Eugene Bennett, G. C. 1, fws — Spindale
Hill, Julius Napoleon, Jr., A-Sci. 2, fws — Murphy
Hill, Mildred Cherry, A-Sci. spec. fs — Chapel Hill
Hill, Margaret Lynch Ross, A-Sci. spec. w — Winston-Salem
Hill, Richard Frank, P. H. A. spec. s — Kinston
Hill, Theo H., E. E. 4, fws — Newburgh, N. Y.
Hilton, Barbara Alexander, A-Sci. 3, fws — Savannah, Ga.
Hilton, Joseph Truman, G. C. 1, fws — High Point
Hines, Charles Meadows, G. C. 1, fws — Kinston
Hines, Harvey Carrow, Jr., G. C. 1, fws — Kinston
Hines, James Emmett, Ph. 1, fws — Greensboro
Hines, Stedman Holt, Law 2, fs — McLeansville
A.B., 1934, Elon Coll.
Hines, Thomas MacEntyre, Jr., A-Sci. 2, fws — Salisbury
Hinkle, Bruce Edgar, G. C. 1, fws — Lexington
Hinkle, Charles Glenn, M. E. 2, f — Greensboro
Hinkle, Haywood Watson, C. 2, fws — Lexington
Hinkle, Lawrence Earle, Jr., A-Sci. 2, fws — Raleigh
Hinnant, William Macon, G. C. 1, fws — Wendell
Hinsdale, Charles Edwin, G. C. 1, fws — Hendersonville
Hinton, Charles Lewis, G. C. 1, fws — Elizabeth City
Hirschfeld, Herbert Harvey, G. C. 1, fws — Passaic, N. J.
Hobbs, Claude Elton, C. 2, fws — Charlotte
Hobbs, Graham Badger, G. C. 1, fws — Charlotte
Hobbs, Nell Blair, A-Sci. spec. fws — Chapel Hill
Hobbs, Ralph Jordan, G. C. 1, fws — Edenton
Hobbs, Sam Earle, G. C. 1, fws — Selma, Ala.
Hobgood, Samuel Henry, Jr., C. 4, ws — Durham
Hochman, Julius Gerald, G. C. 1, fs — New York, N. Y.
Hockaday, James Brooks, A-Sci. 4, fws — Lillington
Hodges, Catherine, A-Sci. 4, fw — Chapel Hill

Hodges, Francis Edmond, C. 2, fws	Leaks ville
Hodges, Horace Hayden, A-Sci. 3, fws	Chapel Hill
Hodges, Henry Latham, C. 4, fws	Washington
Hodgin, Ezra Clay, Jr., C. 2, fws	Greensboro
Hoefer, David William, G. C. 1, fws	Chapel Hill
Hoffman, Boyce Maxwell, C. 2, fws	Asheville
Hoffman, Robert Richard, A-Sci. 2, f	Asheville
Hogan, June Camilla, A-Sci. 3, fws	Chapel Hill
Hogan, James Edward, A-Sci. 3, fws	Ellerbe
Hogan, Milton Earl, Jr., G. C. 1, fws	Chapel Hlll
Holadia, William Garlan, G. C. 1, fws	Roanoke Rapids
Holder, James Albert, Jr., A-Sci. 2, f	Asheboro
Holdren, James Grigsby, G. C. -, fws	Rocky Mount
Holland, Nesbit Rickert, C. 4, fws	Charles
Holland, William Rhoid, Jr., C. 2, fws	Statesville
Holland, William Walter, Jr., G. C. 1, fws	Charles
Hollingsworth, Revelle Willard, C. 3, fs	Winston-Salem
Hollowell, Christopher Wilson, III, A-Sci. 4, f	Elizabeth City
Holman, Roger Elliott, C. 4, fws	Charlotte
Holmes, Jonathan Ivins, G. C. 1, fws	Freehold, N. J.
Holmes, Thomas Hall, Jr., G. C. 1, fws	Weldon
Holt, Albert Hamilton, G. C. 1, fws	Spencer
Holt, Dewey Tate, Med. 1, f A.B., 1935	Mebane
Holt, Sidney Seymour, A-Sci. 3, fws	Graham
Holt, Thomas, Med. 2, fws	Warrenton
Holt, Winfield Clary Law 1, fs A.B., 1935, Virginia Military Institute	Greensboro
Holton, Frank Petty, G. C. 1, fws	Lexington
Honaker, Ernest Elmer, G. C. 1, fws	Sparta
Honeycutt, George William, Ph. 1, fws	Apex
Honeycutt, Murray, E. E. 3, fws	Lexington
Hood, Joe Daniel, G. C. 1, fw	Goldsboro
Hooke, Robert, A-Sci. 2, fws	Greensboro
Hooper, Charles McDowell, G. C. 1, fws	Syiva
Hopkins, Charles Clifton, Jr., G. C. spec., f	Wilmington
Hopkins, Wilson Warner, Jr., C. 3, fs	Durham
Horne, John Hannan, A-Sci. 4, fws	Spencer
Horsfield, Basil Tourneur, Jr., G. C. 1, fws	New Kensington, Penna.
Horton, Fred Lane, G. C. 1, fws	Marshville
Horton, Miles Christopher, G. C. 1, fws	Clarksville, Va.
Horton, Robert Kemp, Ci. E. 2, fws	Zebulon
Howard, Eugene Southerland, Phar. 1, fws	Pink Hill
Howard, Frances Parker, A-Sci. 2, fws	Chapel Hill
Howard, Ira Nathaniel, C. 2, fws	Oxford
Howard, Margaret Leon, A-Sci. 2, fws	Chapel Hill
Howard, Mildred Langford, A-Sci. 4, fws	Glasgow, Ky.

Howard, Robert, C. spec. f	Tarboro
Howard, Ruth Lane, A-Sci. 2, fws	Chapel Hill
Howard, Richard Wilson, G. C. 1, fws	Sanford
Howard, William Gordon, A-Sci. 2, fws	Lumberton
Howe, Frank Bonar, Jr., G. C. 1, fws	Ithaca, N. Y.
Howe, Raymond Reed., A-Sci. 2, fws	Jordan, N. Y.
Howell, James Harden, Jr., A-Sci. 4, fws	Waynesville
Howell, T. Parsons, Med. 1, fw A.B., 1935	Ellerbe
Howison, Robert Cooke, Jr., A-Sci. 3, fws	Raleigh
Howser, Roy Davis, Jr., G. C. 1, fws	Charlotte
Hubbard, Clark Mercer, G. C. 1, fws	High Point
Hubbard, Charles Spencer, A-Sci. 4, fws	Sanford
Hubbard, Fred Cecil, G. C. 1, fws	North Wilkesboro
Hubbard, Hugh Jammie, Jr., G. C. 1, fws	Clinton
Hubbard, Richard Elbert, G. C. 1, f	High Point
Hudson, Charles Crump, Jr., C. 3, fws	Greensboro
Hudson, Henry Edward, G. C. 1, fws	Asheville
Hudson, Henry Pitts, Law 1, fs	Salisbury
Hudson, William Palmer, A-Sci. 2, fws	Chapel Hill
Huffman, Edward Cortner, G. C. 1, fws	Shelbyville, Tenn.
Hughes, Jack, G. C. 1, fws	Tabor City
Hughes, John Edward, G. C. 1, fws	Elizabeth City
Hulme, Francis Pledger, A-Sci. 4, fws	Asheville
Hume, Guy Buell, C. spec. fws	Suffolk, Va.
Humphrey, Clen Simmons, Jr., G. C. 1, fws	Brooklyn, N. Y.
Humphries, John William, A-Sci. 2, fws	Clifton Forge, Va.
Humphries, Thomas Henderson, C. 3, fws	Asheville
Hunt, George Franklin, Jr., C. 2, fws	Wilmington
Hunt, Robert Lee, Jr., C. 2, fws	Lattimore
Hunt, Walter Skellie, Jr., Med. 1, fws	Thomasville
Hunter, Charles Marcus, A-Sci. 2, fws	Franklin
Hunter, Hill McIver, Ch. E. 3, fws	Greensboro
Hunter, James Fletcher, G. C. 1, fws	Enfield
Hunter, John Franklin Croom, A-Sci. spec., fws Ph.G., 1934	Magnolia
Hunter, James Scott, Jr., A-Sci. 2, fws	Hendersonville
Hunter, Millard Stanton, C. 2, ws	Greensboro
Hunter, Shelton Brinson, Jr., A-Sci. spec., fws	Magnolia
Hunter, William Blair, P. H. A. spec., s	Gastonia
Hurwitz, Norman, C. 2 fw	Clinton
Hussey, Howard Summerell, Jr., A-Sci. 2, fws	Tarboro
Hutaff, Lucille, A-Sci. spec., fws	Fayetteville
Hutchins, James Alexander, Jr., A-Sci. 3, fws	Winston-Salem
Hutchison, Harry Earle, G. C. 1, fws	Walnut Cove
Hux, George Austin, Law 1, fs	Halifax
Hyde, Albert Pennington, M. E. 3, fws	New Haven, Conn.

Hymanson, Nathan Williams, A-Sci. 2, fws	Hillside, N. J.
Idol, James Wilson, C. 2, fw	Kernersville
Ill, Edward Joseph, G. C. 1, fws	Newark, N. J.
Illman, Walter Fenwick, A-Sci. 3, fws	Greensboro
Ingram, Thomas Cicero, A-Sci. 2, fws	Norwood
Insley, Thomas Irving, Jr., G. C. 1, fws	North East, Md.
Ireland, John Edward, A-Sci. 2, fws	Amityville, N. Y.
Irvin, Jess Wilson, Ph. 1, fws	Yadkinville
Irwin, Leo Howard, G. C. 1, fws	Sparta
Irwin, Thomas Andrew, C. 3, f	Altoona, Penna
Isaacs, Emory Stuart, C. 2, fws	Durham
Isenhower, Samuel Holeman, G. C. 1, fws	Conover
Ives, Clement Dixon, Ch. E. 2, fws	Waynesville
Ivey, Charles Marshall, Jr., Law 1, fs	Concord
Jackson, Arthur West, Ph. 2, fws	Autryville
Jackson, Don Fletcher, A-Sci. 4, fws	Sanford, Fla.
Jackson, Justin Lowe, A-Sci. 4, fws	Savannah, Ga.
Jacobs, Melvin William, A-Sci. 3, f	Brooklyn, N. Y.
Jacobson, David Jay, G. C. 1, s	Brooklyn, N. Y.
Jacobson, Israel Harry, Law 2, s A.B., 1934	Winston-Salem
Jacobson, Polly Lea, L. S., fws A.B., 1935	Winston-Salem
Jaffe, George Jay, G. C. 1, fws	Elizabeth, N. J.
James, Elizabeth McCauley, Med. 1, fws B.A., 1930, Meredith Coll.	Laurinburg
James, Ernest Wilbur, Jr., A-Sci. 2, fws	Clarksburg, W. Va.
James, William Clark, A-Sci. 2, fws	Wilmington
James, William Duer, A-Sci. 2, fws	Hamlet
Jamison, Preston Gibson, M. E. 4, fws	Blairsville, Penna.
Jeanes, Isaac Warner, II, C. 3, fws	Villa Nova, Penna.
Jeffress, Charles Osborne, A-Sci. 3, fs	Greensboro
Jeffress, Edwin Bedford, Jr., C. 3, fws	Greensboro
Jenkins, Annie Koonce, P. A. 4, fws	Chapel Hill
Jenkins, Robert Latham, Jr., Ch. E. 4, fws	Statesville
Jennings, Dudley Lamont, C. 4, f	Lumberton
Jernigan, Paul Roberts, G. C. 1, fws	Raleigh
Johnson, Bayard Cleveland, Jr., G. C. 1, fws	Bunn
Johnson, Bryant Ruben, A-Sci. 2, fws	Sanford
Johnson, Dunn MacLaurin, G. C. 1, fws	Morven
Johnson, Elmer Douglass, A-Sci. 4, fws	Durham
Johnson, Frances Bushnell, A-Sci. 3, s	Springfield, Ohio
Johnson, Francis Wilson, G. C. 1, fws	Rocky Mount
Johnson, Gaither Fred, Ph. 2, s	Winston-Salem
Johnson, Jesse Clark, Ch. E. 2, fws	Statesville
Johnson, John Griffith, C. 3, fws	Winston-Salem
Johnson, John Henry, Jr., C. 4, fws	Wilkesboro

Johnson, Rudolph Leonard, Ph. 2, f — Buie's Creek
Johnson, Thomas Urban, A-Sci. 3, fws — Bradford, Penna
Johnson, William Bizzell, Med. 1, fws — Dillon, S. C.
A.B., 1935
Johnson, William David, M. E. 2, fws — Clayton
Johnston, Frances, A-Sci. 4, fws — Harrisburg, Penna.
Johnston, James Southey, Jr., C. 4, fws — Westfield, N. J.
Johnston, Richard Blaine, C. 4, fws — Wilkesboro
Jonas, John Franklin, A-Sci. 2, fws — Marion
Jones, Andrew Jeatus, A-Sci. 2, fws — Varina
Jones, Clarence Ray, P. H. A. spec., s — Morgantown, W. Va.
Jones, George Haywood, Ph. 1, fws — Tarboro
Jones, Geroge Thaddeus, A-Sci. 2, fws — Chapel Hill
Jones, James Betts, Jr., G. C. 1, fws — Norwalk, Conn
Jones, John Charles, C. 2, f — Asheville
Jones, John Laurence, A-Sci. 4, f; Law 1, s — Charlotte
Jones, Rowland Judson, Jr., A-Sci. 2, fw — Clinton
Jones, Roger Montfort, A-Scoi. 3, fws — Asheville
Jones, William Burns, P. H. A. spec., s — York, S. C.
B.S., 1922, The Citadel; M.D., 1926, Emory University
Jordan, Clyde Raymond, Jr., A-Sci. 4, fws — Elizabethtown
Jordan, Louis Simms, G. C. 1, fws — Cobourg, Canada
Jordan, Margaret Nicholson, A-Sci. 4, fws — Chapel Hill
Jordan, Rebecca Frances, A-Sci. 4, f — Chapel Hill
Jordan, William Stone, Jr., A-Sci. 2, fws — Fayetteville
Joyce, Clarence R., G. C. 1, fws — Tarboro
Joyce, Emmett Robert, A-Sci. 4, fws — Chicago, Ill.
Joyce, James Alexander, C. 2, fws — Spray
Joyce, Thomas Clifford, C. 2, fws — Spray
Joyner, Edward Culter, A-Sci. 4, fws — Henderson
Joyner, Frank Carl, A-Sci. 4, fws — Farmville
Joyner, Jim McMurray, G. C. 1, fws — Ronoake Rapids
Joyner, Lottie Lane, Med. 2, fws — Farmville
Joyner, Richard Audrey, G. C. 1, fws — Farmville
Joyner, Rayburn Nelson, P. H. A. spec., s — Canton
Joyner, Thomas Eli., Jr., C. 3, fws — Farmville
Judson, David, G. C. 1, fws — Big Moose, N. Y.
Julian, Everett Dexter, G. C. 1, fws — Brockton, Mass.
Julian, Maurice Solomon, A-Sci. 2, f — Winston-Salem
Juliber, Edward Browne, A-Sci. 2, fws — New York, N. Y.
Jurney, Robert Campbell, Jr., A-Sci. 2, fws — Winston-Salem
Justice, Francis Thomas, A-Sci. 4, fws — Tryon
Justice, John Mitchell, A-Sci. 4, f; Grad. ws — Charlotte
Kahn, Edwin Leonard, A-Sci. 3, fws — Charlotte
Kalb, Benjamin Leon, C. 4, ws — New York, N. Y.
Kalkstein, Martin Bernard, G. C. 1, s — Little Neck, N. Y.
Kalmanoff, Irving, A-Sci. 2, ws — Woodmere, N. Y.

Kaluk, Nick S., E. E. 2, fws	Switchback, W. Va.
Kane, Herbert Cooper, A-Sci. 3, fws	Boston, Mass.
Kanner, Lester, C. 2, fws	Hewlett, N. Y.
Kanner, Murray, A-Sci. 3, f	Sanford, Fla.
Kanoy, Sara Frances, C. 2, fws	Chapel Hill
Kantor, Norman, A-Sci. 2, fws	Flushing, N. Y.
Kaplan, Harvey, G. C. 1, fws	Hempstead, N. Y.
Karlin, Max Edward, G. C. 1, fws	Long Island City, N. Y.
Karow, Seymour Martin, G. C. 1, fws	Ellenville, N. Y.
Karp, Herbert Victor, G. C. 1, ws	New York, N. Y.
Katz, George, A-Sci. 2, fws	Brooklyn, N. Y.
Katzenstein, Herbert, A-Sci. 2, fws	Warren Plains
Kaufman, Bernard, G. C. 1, fws	New York, N. Y.
Kaufman, Jerome, G. C. 1, fws	Brooklyn, N. Y.
Kavanagh, Donald Joseph, C. 4, fws	Greaot Neck, N. Y.
Kaveny, Paul Felix, A-Sci. 4, fws	Montclair, N. J.
Kearny, Erick Wilson, P. H. A. spec., s	Mt. Airy
Kee, Horace Jackson, Ph. 3, fws	Gumberry
Keel, James Walter, Jr., Law 1, fs	Rocky Mount
Keel, Page Clark, A-Sci. 2, fws	Rocky Mount
Keeney, Barnaby Conrad, A-Sci. 4, f; Grad. ws	Hartford, Conn.
Kellar, Sidney, G. C. 1, fws	Ellenville, N. Y.
Kellum, Isaac James, C. 2, fws	Marines
Kelly, John James, C. E. 3, fws	Yonkers, N. Y.
Kephart, William Perry, M. E. 3, fws	Greensboro
Kerley, David Moorman, G. C. 1, fws	Morganton
Kerr, Algernon Hubbard, Jr., G. C. 1, fws	Kerr
Kerr, Langdon Chevis, Jr., A-Sci. 3, fws	Clinton
Kerr, Willie James, G. C. 1, fws	Wilmington
Kessler, Josephine Dilworth, A-Sci. 3, fws	Philadelphia, Penna.
Kessler, Marvin Morton, Ph. 1, fws	Raleigh
Kidd, Jack Wells, G. C. 1, fws	Birmingham, Ala.
Kiker, Paul Jones, Jr., Ci. E. 2, fws	Wadesboro
Killinsworth, Joyce, A-Sci. 4, fws	Signal Mountain, Tenn.
Kimrey, Jonathan Claude, C. 3, fws	High Point
Kind, Milton, G. C. 1, fws	Jenkintown, Penna.
Kind, Philip, Jr., A-Sci. 3, fws	Jenkintown, Penna.
King, Allan Harrison, E. E. 4, fws	Bloomfield, N. J.
King, Edward Zahm, Jr., C. 3, fws	Wilmington
King, Jere Clemens, G. C. 1, fws	Bristol, Tenn
King, James Robert, Jr., Ph. 1, f	East Durham
King, Odell, C. 4, fws	Chapel Hill
King, Raymond Baker, A-Sci. 2, fws	Summit, N. J.
King, Robert Lee, Jr., A-Sci. 3, fws	Wilmington
King, William Bonniwell, P. H. A. spec., s	Windsor
King, William Johnston, G. C. 1, fws	Wilson
Kinney, Elizabeth A., A-Sci. 4, fw	Denton

Kinzer, Archer L., P. H. A. spec., s	Christiansburg, Va.
Kirkham, Beatrice Dunham, A-Sci. spec. fws	New York, N. Y.
Kirkpatrick, John Hardy, G. C. 1, fws	Canton
Kirkpatrick, James Taylor, G. C. 1, fws	Red Springs
Kirkpatrick, James Weaver, C. 4, fws	Canton
Kirsch, Augustus Vincent, C. 3, f	Augusta, Ga.
Kirschenbaum, Abraham Mandell, A-Sci. 4, fws	Far Rockaway, N. Y.
Kirschman, Robert Edward, A-Sci. 2, fws	New Haven, Conn.
Kirschner, Emanuel, G. C. 1, fws	Brooklyn, N. Y.
Kirven, James Dupont, Jr., C. 2, fws	Columbus, Ga.
Kiser, Glenn Augustus, Ph. 2, fws	Bessemer City
Kisner, Jeremiah, A-Sci. 3, fws	Dorchester, Mass.
Kittner, David, G. C. 1, fws	Weldon
Kittner, Joseph Mordecai, C. 3, fws	Weldon
Klein, Louis Coltenhouse, A-Sci. 2, f	Seaside Park, N. J.
Kline, Charles Robert, G. C. 1, fws	Carthage
Klingman, John Graydon, C. 3, f	Greensboro
Kluttz, Paul B., G. C. 1, fws	Durham
Kluttz, William Clarence, G. C. 1, fws	Salisbury
Klutz, Samuel Erwin, G. C. 1, fws	Marion
Knapp, Paul Lavern, L. S., fws	Kalamazoo, Mich.
B.S., 1932, Western State Teachers Coll.	
Knight, William Everette, G. C. 1, fws	Bynum
Knott, Allan Solomon, C. 3, fws	Oxford
Knox, Joe Haywood, G. C. 1, ws	Newton
Konefal, Anthony Stanley, A-Sci. 2, fws	Passaic, N. J.
Koonce, Thomas Battle, Jr., A-Sci. 3, fws	Jacksonville
Koontz, Douglas Gerrald, C. 3, fws	Welcome
Kornblite, Ned Irving, Jr., G. C. 1, fws	Binghampton, N. Y.
Kornegay, Grey Bryan, Ph. 1, fws	Mt. Olive
Kornegay, Joseph Thomas, A-Sci. 3, fws	Dover
Kornegay, Robert Theron, G. C. 1, fws	Mt. Olive
Kramer, Henry Mahler, Jr., G. C. 1, fws	Durham
Kramer, Jules, G. C. 1, ws	Philadelphia, Penna.
Kraynick, Jasper Jack, G. C. 1, fws	Trenton, N. J.
Kuklish, Paul Martin, Jr., G. C. 1, fws	Newark, N. J.
Kurfees, James Gordon, Med. 2, fws	Chapel Hill
A.B., 1934	
Kushner, Joseph Thomas, G. C. 1, f	Mt. Carmel, Penna.
Kyser, Nancy Zollicoffer, A-Sci. 3, fws	Thomasville
LaFalce, Frederick James, A-Sci. 4, fws	Newark, N. J.
LaPointe, John Bourcarde, A-Sci. 3, f	Meriden, Conn.
LaRochelle, Frederick Theodore, A-Sci. 3, fws	Longmeadow, Mass.
LaRoque, Walter Dunn, A-Sci. 2, fws	Kinston
Lackowitz, Jerome, G. C. 1, fws	Brooklyn, N. Y.
Lamb, Ben Jackson, G. C. 1, fws	Rockwood, Tenn.
Lamm, William Thomas, Jr., A-Sci. 3, fws	Wilson

Lamont, William Max, G. C. 1, fws	St. Augustine, Fla.
Lance, Theodore Dwight, A-Sci. 2, fws	St. Petersburg, Fla.
Land, James Augustus Thomas, G. C. 1, f	Charlotte
Lane, Hugh Comer, A-Sci. 4, f	Savannah, Ga.
Lane, Leslie C., Jr., A-Sci. 3, fws	Greensboro
Lane, Sam Patterson, A-Sci. 4, ws	Sanford
Laney, Clive Wayne, G. C. 1, fws	Hickory
Laney, Ralph Beach, G. C. 1, fws	Hickory
Laney, Marcel Eugene, M. E. 3, f	Wellsboro, Penna.
Langdale, Jessie Catledge, A-Sci. 3, fws	Valdosta, Ga.
Langdon, Benjamin Bruce, Med. 2, fws A.B., 1934	Linden
Langdon, Jarvis Henry, Ph. 1, w	Coats
Langsam, Sanford Martin, Med. 2, fws A.B., 1934	Far Rockaway, N. Y.
Langston, Carl Eugene, G. C. 1, fws	Danville, Va.
Lansdale, Henry Nelson, A-Sci. 4, fw	Frederick, Md.
Large, Hiram Lee, Jr., G. C. 1, fws	Rocky Mount
Larsen, John Rendleman, A-Sci. 2, fws	Charlotte
Lashley, Walter Lawrence, Jr., G. C. 1, fws	Greensboro
Laskey, Joel Irwin, A-Sci. 2, fws	Lawrence, N. Y.
Lasley, Margaret Elizabeth, L. S., fws A.B., 1932, Randolph-Macon Coll.	South Boston, Va.
Lassiter, Henry Aaron, C. 2, fws	Smithfield
Lassiter, Will Hardee, Jr., Med. 2, fws	Smithfield
Latham, Louis William, G. C. 1, fws	Faison
Lawing, James Roy, C. 3, fws	Asheville
Lawlor, Nancy Kathryn, A-Sci. 4, fws	Durham
Lawrence, Marshall Vance, Jr., C. 2, f	Durham
Lawther, James Wyatt, G. C. 1, f	Wilmington
Layton, James Sexton, A-Sci. 3, fw	Raleigh
LeFevre, Mildred Ernest, A-Sci. 3, fws	Chevy Chase, Md.
LeGrand, Harry Elwood, A-Sci. 2, fws	Mebane
Leach, Wilbur Cleon, A-Sci. 2, fws	Keansburg, N. J.
Leager, Samuel Richardson, C. 4, fws	Raleigh
Leak, James Alexander, C. 2, fws	Wadesboro
Leak, John Duncan, Law 3, fs A.B., 1934	Wadesboro
Leake, Clarence Elmer, Jr., A-Sci. 3, fws	Greensboro
Leath, Thomas Horne, Law 3, f A.B., 1927, A.M., 1929	Rockingham
Ledford, Robert Franklin, A-Sci. 2, fws	Charlotte
Lee, Henry Bartley, C. 2, f	Wilmington
Lee, Lenwood C., C. 2, fw	Lumberton
Lee, Virginia Spearrin, A-Sci. 2, fws	Lockport, N. Y.
Lee, William David, G. C. 1, fws	Dunn
Leeper, Donald Harper, Jr., Med. 2, fws B.S., 1932, Davidson Coll.	Hiddenite

Leeper, William Hugh, G. C. 1, fws — Hiddenite
Lefkowitz, Ernest, C. 2, fws — Winston-Salem
Legg, Zenas Hill, P. H. A. spec., s — Oak Hill, W. Va.
Lehmann, Arno Emil, G. C. 1, fws — Lanesboro, Mass.
Leight, George Staples, C. 4, fws — Walkertown
Leinwand, Abraham Joseph, C. 3, fws — Whiteville
Lentz, Robert Lee, Jr., C. 2, fws — Morganton
Leslie, Robert Hugh, C. 2, ws — Bristol, Tenn.
Lessem, Robert Benjamin, A-Sci. 4, fws — Fayetteville
Lester, Murray Charles, G. C. 1, fws — New York, N. Y.
Levering, M. Estelle, Eng'g. spec., ws — Jenkintown, Penna.
Levi, James Cobb, C. spec. w — Charlotte
Levine, George Irvine, A-Sci. 2, fws — Hempstead, N. Y.
Levine, Ralph, C. 4, fws — Yonkers, N. Y.
Levine, Sidney, A-Sci. 3, fws — Melrose, Mass.
Levinson, Martin, Law 2, fs — Waterbury, Conn.
A.B., 1934
Levitch, Leonard Sidney, A-Sci. 4, fws — Asheville
Levitt, Leon Marcus, A-Sci. 3, fws — Brooklyn, N. Y.
Levitt, William Haskell, A-Sci. 2, fws — New York, N. Y.
Levy, Frederick Halle, G. C. 1, fws — Cleveland, Ohio
Lewis, Elwood, Ph. 1, f — Stacy
Lewis, Henry Wilkins, A-Sci. 3, fws — Jackson
Lewis, Jesse Albert, A-Sci. 2, fws — Laurinburg
Lewis, John Dortch, A-Sci. 3, f — Goldsboro
Lewis, Leinster Martin, Ph. 1, fws — Morehead City
Lewis, Robert Guilford, A-Sci. 4, fws — Memphis, Tenn.
Lewis, Sigma Van, P. H. A. spec., w — Ocracoke
M.D., 1916, Medical College of Virginia
Lewis, William Clyon, Ph. 4, fws — West End
Lewis, Walter Glenn, Med. 2, fws — Altamahaw
A.B., 1932, Elon Coll.
Lieberman, David Martin, G. C. 1, fws — Brooklyn, N. Y.
Lewter, Florine, L. S. spec., s — Durham
Liles, Henry Clinton, P. H. A. spec., s — Goldsboro
Lindau, William Edwin, G. C. 1, fws — New York, N. Y.
Lindley, Paul Cameron, C. 3, fws — Greensboro
Lindsay, John Alexander, A-Sci. 2, fw; C. 2, s — High Point
Lindsay, Mary, P. A. 3, fws — St. Pauls
Lineberry, Martha Foy, L. S., fws — Raleigh
A.B., 1927, Meredith Coll.
Link, Philip F., Ph. 2, fws — Reidsville
Linker, Dorothy Insley, Med. 2, f — Chapel Hill
A.B., 1935
Linker, William Murray, Jr., P. H. A. spec., s — Salisbury
A.B., 1923; A.M., 1925
Linn, Tom Latan, Ph. 2, fws — Landis
Linville, Roger Wilson, A-Sci. 2, fws — Kernersville

Lipschutz, Daniel, Ci. E. 3, fws	Rockaway Park, N. Y.
Lipscomb, Nathan, C. 3, fws	Greensboro
Lipsky, George, G. C. 1, fws	Philadelphia, Penna.
Lipton, Morris Milton, C. 2, fws	Wilmington
Little, Chester Crowell, A-Sci. 2, fws	Asheville
Little, Charles Smith, G. C. 1, fws	Southside
Little, James William, G. C. 1, fws	Tryon
Livingston, Paul Hanna, C. 3, fws	Laurel Hill
Llewellyn, John Manning Wyatt, C. 2, s	Durham
Lloyd, Herman Braxton, C. 2, w	Chapel Hill
Lloyd, John Bunyan, G. C. 1, fws	Chapel Hill
Lloyd, Mary Horton, A-Sci. 3, fws	Chapel Hill
Lockhart, Eleanor Ann, A-Sci. 4, fws	Durham
Lockhart, Eugene Marvin, Ch. E. 2, f	Hillsboro
Loeb, Thomas Oscar, G. C. 1, fws	Philadelphia, Penna.
Lohr, Howard Elmo, G. C. 1, fws	Lexington
Long, Jefferson Alex, A-Sci. 2, fw	Rockingham
Long, Thomas Sparrow, A-Sci. 3, fws	Washington
Long, William Lunsford, Jr., G. C. 1, fws	Raleigh
Longest, Frank A., C. 3, fw	Rocky Mount
Loomis, Charles Manly, G. C. 1, fws	Leonia, N. J.
Loos, M. Louise, L. S., fws A.B., 1928, Earlham Coll.	Durham
Lopez, Rafael Inocente, G. C. 1, fws	Camaguey, Cuba
Lorberbaum, Leonard, A-Sci. 2, fw	Brooklyn, N. Y.
Lorch, Henry Harold, G. C. 1, fws	Albemarle
Love, James Stewart, E. E. 3, f	Great Neck, N. Y.
Lovelace, Dan Ripley, G. C. 1, fws	Bozeman, Mont.
Lowe, Alfred Walter, C. 4, fws	Aulander
Lowe, Charles Mallon, G. C. 1, fw	Charlotte
Lowe, Jack, A-Sci. 4, fw	Newark, N. J.
Lube, Henry Jack, M. E. 2, fws	Brooklyn, N. Y.
Lucas, Philip Edward, G. C. 1, fws	Burgaw
Lyerly, Walker, Jr., G. C. 1, fws	Hickory
Lynch, Charles Edward, G. C. 1, fws	Ocean City, Md.
Lynch, Jack, C. 3, fws	Uree
Lynch, Joseph Holton, Ci. E. 3, fws	Cordova, Md.
Lynch, James Simpson, A-Sci. 3, fws	Winston-Salem
Lynch, Mark George, C. 4, fws	Raleigh
Lynch, Ridgeway Trimble, C. 3, fws	Asheville
Lynch, William Francis, Ph. 3, fws	Hillsboro
Lyon, William Pope, C. 2, fws	Smithfield
Lyons, Milton Arthur, Ci. E. 3, fws	West End
Lytle, Samuel Creighton, A-Sci. 4, fws	Hamlet
McAdams, Leon Ambrose, Med. 1, fw	Salisbury
McAlister, Joseph E., C. 3, fws	Durham
McAnally, Albert Key, A-Sci. 4, fws	High Point

McArthur, Francis Stephen, Jr., A-Sci. 4, fws	Arlington, N. J.
McBrair, Henry C., E. E. 4, fws	Essex Fells, N. J.
McBride, James Belton, G. C. 1, fws	Henderson
McBride, Walter Liddell, C. 2, fws	Charlotte
McCachren, James Roland, A-Sci. 4, fws	Charlotte
MaCachren, William Henry, G. C. 1, fws	Charlotte
McCaig, Arthur Walker, G. C. 1, fws	Wilmington
McCall, Alfred Clarence, E. E. 3, fws	Marion
McCarn, Lester Wahova, A-Sci. 3, fws	Kannapolis
*McCauley, Annie Lee, A-Sci. 4, fw	Carrboro
McClelland, William Shields, Jr., A-Sci. 3, fws	Charlotte
McColl, William Charles, Jr., A-Sci. 2, fws	Linden
McCollum, Robert Starling, C. 4, fws	Spray
McCollum, William Clarence, A-Sci. 4, fws	Madison
McCord, John Henry, G. C. 1, fws	Atlanta, Ga.
McCrary, Joe Leonard, G. C. 1, f	Elk Park
McMullen, Joseph Thomas, Jr., A-Sci. 3, fws	Clinton
McDaniel, Jane Llewellynn, L. S., fw A.B., 1928, Tusculum Coll.	Union, S. C.
McDaniel, Harry Donnon, P. H. A. spec., s	Laurens, S. C.
McDevitt, John Bourke, Ci. E. 2, fws	Charlotte
MacDiarmid, Hugh Stuart, Law 2, fs A.B., 1933, Albion Coll.	Highland Park, Mich.
McDonald, Franklin Hill, C. 2, fws	Hoffman
McDonald, Malcolm MacIntyre, M. E. 2, fws	Asheville
MacDowell, Dubose, Law 1, fs	Gaffney, S. C.
McDowell, Harry Lee, M. E. 3, f	Scotland Neck
McElwee, Mary, A-Sci. 4, fw	Statesville
MacFarland, George Cyrus, A-Sci. 3, fws	Charlotte
McGalliard, Ethel Agnes, A-Sci. 2, fws	Chapel Hill
McGirt, Margaret Gainey, A-Sci. 2, fws	Chapel Hill
McGlinn, Frank Cresson Potts, A-Sci. 3, ws	Wynnewood, Penna.
McGowan, William Tillman, Jr., A-Sci. 2, fws	Timmonsville, S. C.
McGuire, Walter R., Law 2, fs	Asheville
MacIlwiner, William Lee, A-Sci. 3, f	Fayetteville
McInnes, Robert Craig, C. 2, fws	Raleigh
McInnis, John, Jr., A-Sci. 3, fs	Clio, S. C.
McIntyre, Jeannette Curtis, P. A. 3, fws	Asheville
McIntosh, Charles Eugene, Jr., A-Sci. 2, fws	Chapel Hill
McIntosh, Craig Shuford, A-Sci. 4, f Grad. s	Chapel Hill
McIntosh, Edith Roberts, A-Sci. 3, fws	Marshall
McIver, Charles, C. 3, fws	Greensboro
McIver, Wallace Gordon, A-Sci. 3, f	Sanford
McKallagat, Daniel Lee, A-Sci. 3, fws	Lawrence, Mass.
McKay, Marjorie Jean, A-Sci. 3, fw	Evanston, Ill.
McKay, Ned Foy, G. C. 1, fws	Durham

*Deceased.

McKee, Donald Kennedy, A-Sci. 3, fws — Chapel Hill
McKee, Ernest Lyndon, Jr., C. 3, fws — Sylva
McKee, James, A-Sci. 2, w — Raleigh
McKee, Mary Ochse, A-Sci. 2, fws — Chapel Hill
McKee, Paul Wakefield, A-Sci. 4, fws — Chapel Hill
McKendry, George Francis, A-Sci. 3, fws — New Canaan, Conn.
McKinney, Robert Harold, C. 4, fws — Greensboro
McKirven, William James, A-Sci. 4, fws — Maxton
McKoy, Adair Morey, A-Sci. 2, fws — Wilmington
McLachlan, Charles Ian, G. C. 1, s — Los Angeles, Calif.
McLain, Rachel Banks, Ph. 2, fws — Charlotte
McLamb, George Thomas, Med. 2, fws — Roseboro
McLean, George Woodrow, Ph. 4, fws — Raeford
McLean, James Kenneth, G. C. 1, fws — Maxton
McLean, James Wilton, G. C. 1, fws — Godwin
McLean, William DeRoy, C. 2, fws — Asheville
McLendon, Walter Jones, Med. 1, fws — Kenansville
McLeod, Alexander Hamilton, Jr., A-Sci. 4, fws — Lumberton
McLeod, Bessie, A-Sci. spec., ws — Goldston
McLeod, John Blount, A-Sci. 2, fws — Lumberton
McMahan, Carl Therman, A-Sci. spec., w — Forest City
McManeus, Robert Taylor, C. 2, fws — Charlotte
McMichael, Dalton Larkin, C. 4, ws — Wentworth
McMillan, Hamilton, G. C. 1, fws — Red Springs
McMillan, James Bryan, A-Sci. 3, fws — McDonald
McMillan, Robert Monroe, Med. 2, fws — Candor
A.B., 1934
McMullan, Harry, Jr., A-Sci. 3, fw — Washington
McMurrey, James Willard, P. H. A. spec., s — Bartow, Fla.
MacNair, John Van, A-Sci. 2, fw — Larchmont, N. Y.
McNatt, Charles, A-Sci. 3, fws — Salemburg
McNeill, James Strange, A-Sci. 3, fws — Fayetteville
McNeill, Luther, Jr., G. C. 1, ws — Maxton
MacNider, George Mallett, G. C. 1, fws — Athens, Ga.
McPhaul, William Weston, P. H. A. spec., s — Pensacola, Fla.
McPheeters, Samuel Brown, P. H. A. spec., w — Charlotte
A.B., 1900, Washington and Lee University; M. D. 1906, Washington University
McRae, John Albert, Jr., A-Sci. 2, fws — Charlotte
Macon, Gideon Hunt, Jr., G. C. 1, fws — Warrenton
Macphee, John Arthur, A-Sci. 4, fws — Brooklyn, N. Y.
Madill, Thomas Joseph, G. C. 1, fws — Spangler, Penna.
Madry, Ernest Oscar, C. 4, f — Scotland Neck
Maffit, Ben Crew, Jr. — Charlotte
Magill, Robert Nathaniel, A-Sci. 2, fws — River Forest, Ill.
Maletz, Sumner Joshua, G. C. 1, fws — Roxbury, Mass.
Mallard, John Franklin, C. 2, fws — Trenton
Mallette, George Perry, G. C. spec., f — Concord

Mallison, William Charles, Ch. E. 3, fws	Washington
Mallonee, James David, Jr., Law 2, fs A.B., 1935	Murphy
Mallouk, Edmund Habib, G. C. 1, fws	Brooklyn, N. Y.
Mangum, Adolphus M., C. 2, s	Franklin
Manning, John Taylor, Law 3, fs A.B., 1933	Chapel Hill
Mansel, Elizabeth Hammond, P. A. 4, fws	Williamsport, Penna.
Margolis, Leon, G. C. 1, fws	Jacksonville
Marion, Luke Lazarus, Jr., C. 2, f	Carthage
Mark, Alexander, A-Sci. 4, fws	Newark, N. J.
Markham, Donald William, Law 3, f A.B., 1931, Colgate University	Chapel Hill
Markham, Felix Donaldson, G. C. 1, fws	Durham
Markovitz, Sadie, A-Sci. 3, fws	Asheville
Marley, Samuel Branson, Jr., A-Sci. 3, fws	Greensboro
Maronic, Steve Jesse, G. C. 1, fws	Steelton, Penna.
Marsh, Edward Marcus, Jr., C. 2, ws	Marshville
Marsh, John Arthur, E. E. 3, fws	High Point
Marshall, James, M. E. 4, fws	Radburn, N. J.
Martin, Claude Cleveland, Jr., C. 3, fws	Charlotte
Martin, Geoffrey Mathews, A-Sci. 2, ws	New York, N. Y.
Martin, James Drew, A-Sci. 2, fws	Mount Airy
Martin, Jack Sargent, A-Sci. 2, fws	Mount Airy
Martin, Pullen Dalton, G. C. 1, ws	Apex
Mason, Wilton Elman, Jr., A-Sci. 3, fws	Greenville, S. C.
Mason, Yates Webb, A-Sci. 3, fws	Gastonia
Massengill, Milton Edwin, C. 2, fws	Angier
Masten, Lawrence Edward, C. 2, fws	Winston-Salem
Masten, Richard Hezekiah, G. C. 1, fws	Winston-Salem
Mathewson, Kent, A-Sci. 2, fws	Raleigh
Matkins, Coy Frank, C. 2, fws	Altamahaw
Matthews, Henry Steadman, A-Sci. 4, fws	Rose Hill
Matthews, John Ivey, Ph. 3, fws	Rose Hill
Matthews, John Lindsey, Jr., A-Sci. 2, fws	Rocky Mount
Matthews, Thomas Patrick, A-Sci. 3 fw	Matthews
Matthews, Walter Forrest, Ph. 4, f	Randleman
Maupin, Armistead Jones, Law 1, fs	Raleigh
Mauter, William Joseph, C. 2, fws	Statesville
Maxwell, Hugh Durwood, Jr., A-Sci. 4, fws	Pink Hill
May, Aaron, C. 2, fws	Wilmington
May, Richard Huddleston, C. 2, fws	McKeesport, Penna.
May, William Stratford, G. C. 1, fws	Haw River
Maynard, Albert, G. C. 1, fws	Atlanta, Ga.
Maynard, Christine Miller, A-Sci. 3, fws	Kinston
Maynard, Eugene Vincent, G. C. 1, fws	Kinston
Maynard, Gerald Johnson, G. C. 1, fws	Apex

Maynard, Robert Edwin, C. 3, fws	Harrisburg, Penna.
Mazur, Stephen Henry, A-Sci. 2, fws	Irvington, N. J.
Meadows, Joseph Randolph, G. C. 1, fws	Oxford
Means, Paul Barringer, Jr., A-Sci. 3, fws	Trenton, N. J.
Means, Victor Albert, G. C. 1, fws	Concord
Meares, Emerson Wilton, A-Sci. 2, s	Cerro Gordo
Mears, Alice Cummings, Ph. 1, fw	Chapel Hill
Mears, Kenneth M., Jr., Ch. E. 2, fws	Chapel Hill
Mebane, Cummins Aiken, C. 4, fws	Chapel Hill
Mebane, Esther Hamilton, A-Sci. 2, fws	Chapel Hill
Mebane, John Gilmer, A-Sci. 4, fws	Chapel Hill
Meder, Thomas Richard, G. C. 1, fws	Hollis, N. Y.
Medynski, Jules Alfred, A-Sci. 3, fws	Newark, N. J.
Mehlman, Marvin, C. 2, fws	New York, N. Y.
Meister, William George, G. C. 1, fws	Hawthorne, N. J.
Melchor, Lawson Earnhardt, A-Sci. 3, fws	Concord
Melvin, James Stuart, A-Sci. 4, fws	Linden
Melvin, Lee Frankel, Jr., C. 2, fws	Wilmington, Del.
Mengel, Ruth Eleanor, A-Sci. 3, fws	Chapel Hill
Mennite, Joseph, G. C. 1, fws	Paulsboro, N. J.
Mercer, Kenneth Haywood, G. C. 1, fws	New Bern
Meroney, David Welch, C. 2, fw	Greensboro
Merrill, Allen Hunter, G. C. 1, fws	Dothan, Ala.
Merritt, John Hamlett, Jr., A-Sci. 2, fws	Woodsdale
Merritt, John Wesley, A-Sci. 3, fws	Roxboro
Metcalf, Lawrence Edward, A-Sci. 3, fws	Asheville
Mewborn, George Lemuel, C. 2, ws	Snow Hill
Meyland, August Leger, Jr., G. C. 1, fws	Wilmington
Michaels, Robert Phillip, Jr., G. C. 1, fws	Roxboro
Michel, Merritt David, G. C. 1, fws	New Haven, Conn.
Mickey, Charles Alexander, G. C. 1, fws	Winston-Salem
Mickey, Paul Fogle, Law 2, fs	Winston-Salem
Midgette, Arthur Louis, G. C. 1, fws	Manteo
Miles, Perry Watson, G. C. 1, fws	Danville, Va.
Milhouse, Holman Cannon, A-Sci. 2, fws	Fayetteville, Tenn.
Millaway, Beverly Kyle, C. 4, fws	Winston-Salem
Miller, Charles Smithdeal, Jr., A-Sci. 3, fws	Salisbury
Miller, Claude Wilson, G. C. 1, fws	New Bern
Miller, Frank Thomas, Jr., C. 3, fws	Greensboro
Miller, Frank Voorhies, A-Sci. spec., f	Chapel Hill
Miller, Harry, P. H. A. spec., s	Murphy
Miller, Harry Brown, Ch. E. 4, fws	Charlotte
Miller, Harold LeRoy, G. C. 1, fws	Bloomsburg, Penna.
Miller, James Alfred, M. E. 3, fws	Wilmington
Miller, John Arthur, G. C. 1, fws	Cortland, N. Y.
Miller, John Bannerman, P. H. A. spec., s	Jacksonville, Fla.

Miller, Jon Harmon, C. 3, fw	Cloverack, N. Y.
Miller, Jesse Willard, G. C. 1, f	York, S. C.
Miller, Leonard Wallace, A-Sci. 2, s	Brooklyn, N. Y.
Miller, Raymond Alfred, M. E. 4, fws	Call
Miller, Robert Kenneth, G. C. 1, fw	Milton, Penna.
Miller, Stanley Edward, G. C. 1, fws	Brooklyn, N. Y.
Miller, William Eugene, G. C. 1, fs	Winston-Salem
Miller, William Marshall, A-Sci. 2, fws	Greensboro
Miller, William Milton, G. C. 1, fws	Chapel Hill
Miller, William Whitfield, P. H. A. spec., s	Tallahassee, Fla.
Millis, Archie Edward, Ph. 4, fws	Folkstone
Mills, Wardell Hardee, A-Sci. 4, fws	Greenville
Minor, William Thomas, Jr., Law 3, f A.B., 1935	Charlotte
Minton, Solon Scott, Ph. 1, fws	Warsaw
Miquel, Rafael, G. C. 1, fws	Habana, Cuba
Mitchell, Landis Patterson, Jr., Med. 2, fws	Spray
Mitchell, Richard Morton, Jr., C. 2, fws	Greensboro
Mitchell, William Sunday, C. 2, fws	Aulander
Mitchener, John Agrippa, Jr., Ph. 4, fw	Edenton
Mizelle, James Isaac, Jr., A-Sci. 3, fws	Newport
Mobley, Francis Chafee, G. C. 1, fws	Kinston
Monica, Louis Albert, A-Sci. 4, fws	West Orange, N. J.
Monk, Timothy Archie, G. C. 1, fws	Goldsboro
Monroe, Daniel Geddie, Med. 1, fws B.S., 1935, Davidson Coll.	Fayetteville
Monroe, William Daniel, P. H. A. spec., s	Pensacola, Fla.
Montgomery, Harry Howard, C. 4, fws	Tarentum, Penna.
Montgomery, James Cranford, C. 4, fws	High Point
Montgomery, Kenneth Emerson, A-Sci. 3, fws	Asheville
Montsinger, Vincent Melanchthon, A-Sci. 2, fws	Pittsfield, Mass.
Moor, Frederick Clifton, P. H. A. spec., s	Tallahassee, Fla.
Moore, Anne Hyman, A-Sci. spec., fws	Snow Hill
Moore, Andrew Taylor, C. 4, fw	Scotland Neck
Moore, Claude Hunter, A-Sci. 3, fws	Turkey
Moore, George Albert Louis, C. 4, fws	Wheeling, W. Va.
Moore, Harry Watson, G. C. 1, fws	Raleigh
Moore, John Augustus, Jr., G. C. 1, fws	Edenton
Moore, John P., C. 2, f	Durham
Moore, Maggie Lou, Ph. 2, fws	Rocky Mount
Moore, Mildred M., P. A. 4, fws	Raleigh
Moore, William Julius, C. 4, fws	Wheeling, W. Va.
Moore, William Malcolm, G. C. 1, fw	New York, N. Y.
Moretz, William Henry, Med. 1, fws B.S., 1935, Lenoir Rhyne Coll.	Hickory
Morgan, Edward Alford, Law 2, f B.S., 1934, Davidson Coll.	Marion

Morgan, Ralph Siler, A-Sci. 3, ws	Penland
Morgan, Thomas Gracey, G. C. 1, fws	Canton
Moritz, Carl Huibert, C. 2, ws	Enka
Morrell, Lester Ernest, A-Sci. 4, fws	Jalong
Morris, John Daniel, G. C. 1, fws	Battleboro
Morris, Lewis Speight, A-Sci. 4, fws	Salisbury
Morris, Parker William, C. 3, fws	New Bern
Morrison, Harriette Elizabeth, A-Sci. 3, fws	Lake Junalaska
Morrison, Jean Sutton, A-Sci. 3, fws	Lake Junalaska
Morton, Samuel Edgar, A-Sci. 4, fws	Charlotte
Moseley, Preston Wooten, C. 3, fws	Kinston
Moses, Forney Harris, E. E. 2, fws	Pittsboro
Mosier, David Willis, A-Sci. 4, fws	Englewood, N. J.
Moskowitz, Seymour, A-Sci. 2, fws	Wilmington
Moss, Joel Merriman, A-Sci. 2, fws	Storrs, Conn .
Moss, William Cobb, C. 2, fws	Wilson
Motsinger, Madison Eugene, A-Sci. 2, fws	Winston-Salem
Mowry, Arthur Smith, Jr., Ch. E. 4, fws	Chapel Hill
Moye, Joseph Whitehead, A-Sci. 3, f	Raleigh
Moyer, Edward F., A-Sci. 4, fws	Hartford, Conn.
Mulene, Patrick Regia, A-Sci. 2, fws	Hewlett, N. Y.
Mullen, Robert Vincent, A-Sci. 2, fws	River Forest, Ill
Mullis, Clyde Edward, C. 2, fws	Charlotte
Munch, John Frederick, A-Sci. 4, fws	Chapel Hill
Munch, Margaret Esther, A-Sci 2, fws	Chapel Hill
Munyan, John Irvin, C. 4, fws	High Point
Murnick, Joseph Harold, C. 3, fws	Charlotte
Murphy, Frances Katherine, P. A. 3, fws	Wallace
Murphy, John Carpenter, A-Sci. 4, fws	Waynesville
Murray, Glacus Best, G. C. 1, fws	Warsaw
Murray, Grover Elmer, Jr., A-Sci. 3, fws	Newton
Murray, William B., Jr., C. 4, fws	Kenansville
Murrell, Harry Thomas, Ph. 4, fws	Durham
Myers, James Roche, G. C. 1, fws	Montclair, N. J.
Myers, Richard Carl, A-Sci- 4, fws	East Orange, N. J.
Myers, Richard Thomas, G. C. 1, fws	Winston-Salem
Myers, Thomas Engelhard, Jr., A-Sci. 2, fws	Charleston, S. C.
Myers, Tom Jerome, G. C. 1, fws	Charlotte
Myers, William Cleveland, A-Sci. 2, fws	Thomasville
Myrick, John Freeman, M. E. 3, fws	Greensboro
Nabers, Clarence Dee, G. C. 1, fws	Durham
Nachtmann, Robert, A-Sci. 2, fws	Webster Groves, Mo.
Naff, William Hardie, Ch. E, 3, f	Charlotte
Nance, Elmer Paul, G. C. 1, fws	Lexington
Nanney, Allan Douglas, G. C. 1, fws	Forest City
Napier, Richard, G. C. 1, fw	Rockingham

Neal, Albert Malone, C. spec., f	Marion
Neal, George Washington, Jr., C. 2, fws	Walnut Cove
Neaves, Samuel Avery, C. 3, fws	Elkin
Neel, Robert Monroe, Ch. E. 4, fws	Charlotte
Neely, Frank Wilson, A-Sci. 2, fws	Hendersonville
Nelson, Melvin, C. 4, fws	Yonkers, N. Y.
Nethercutt, George Earl, G. C. 1, fws	Roanoke Rapids
Neville, Ben Holland, Law 2, fs A.B., 1932	Whitakers
Newby, William Guy, Jr., G. C. 1, fws	Hertford
Newman, Terrill, C. 3, f	Greensboro
Newsom, Tempe Garrett, A-Sci. 4, ws	Durham
Newton, Henry Calvin, A-Sci. 2, fs	Red Springs
Nicholson, Charles Peyton, A-Sci. 3, fws	Pottstown, Penna.
Nicholson, Harold Linneous, Ch. E. 4, fws	Greensboro
Nigrelli, Henry Ross, G. C. 1, fws	Groton, Conn.
Niven, Edwin Harold, G. C. 1, fws	Monroe
Noell, Charles Edwards, Jr., A-Sci. 3, fws	Durham
Noell, Rebecca Young, A-Sci. 2, ws	Hillsboro
Norfleet, Thomas Figuers, Jr., A-Sci. 2, fws	Roxobel
Norman, Narcissus Ann, A-Sci. 4, fws	Hickory
Norment, Robert Lansing, Med. 1, fws	Rowland
Norris, John Allen, C. 2, fw	Durham
Northcross, Samuel Houston, A-Sci. 4, fws	Asheville
Noulles, George Thomas, A-Sci. 3, f	Wilson
Novich, Emanuel Aaron, A-Sci. 4, fws	Yonkers, N. Y.
Novich, Max Mordecai, A-Sci. 3, fws	Newark, N. J.
Nowlin, Charles Lanier, P. H. A. spec., s	Pompano, Fla.
Noyes, Joseph Little, C. 2, fws	Marion
O'Brien, Thomas Francis, C. 2, fws	Brooklyn, N. Y.
O'Brient, Marjorie Ann, A-Sci. 3, f	Durham
O'Connell, Thomas Courtenay, A-Sci. 3, fw	Fort Bragg
O'Flaherty, Thomas Joseph, A-Sci. 3, fw	Waterbury, Conn.
O'Quinn, Charles Augustus, P. H. A. spec., s	Perry, Fla.
Oates, Charles Clisby, Jr., Ph. 2, fws	Hendersonville
Oettinger, David, G. C. 1, fws	Wilson
Oettinger, Josephine, A-Sci. 4, fws	Wilson
Ogburn, Hugh DeWitt, G. C. 1, fws	Apex
Ogburn, John Fred, Jr., A-Sci. 4, fws	Winston-Salem
Oglesby, David Ervin, Jr., C. 3, fws	Farmville
Olive, Lindsay Shepherd, A-Sci. 2, fws	Apex
Oliver, David, C. 3, fws	Wilmington
Oliver, Ernest Shepard, G. C. 1, fw	Hamer, S. C.
Oliver, John Alexander, G. C. 1, fws	Reidsville
Oliver, John Burrell, G. C. 1, fws	Greensboro
Oliver, Rudolph Euell, G. C. 1, fws	Pine Level
Olmsted, Margaret, L. S., w A.B., 1935	Chapel Hill

Orr, Mark Taylor, A-Sci. 3, fws	Brevard
Orrell, Arthur McCloud, G. C. 1, fw	Winston-Salem
Orzack, Edward Seymour, A-Sci. 2, fws	New York, N. Y.
Osborn, Jack Weldon, C. 2, fw	Libertyville, Ill.
Osborn, Kaleb Dawes, M. E. 3, fws	Chapel Hill
Osborn, Letty Shepard, Ph. 1, fws	Chapel Hill
Osborne, Arthur Howard, C. 2, fws	North Wilkesboro
Osterheld, Herbert Francis, C. 3, fws	Amityville, N. Y.
Ostrow, Lester, A-Sci. 4, fws	Newark, N. J.
Outlaw, Edward Groves, E. E. 2, fws	Goldsboro
Overstreet, Mary Elizabeth, L. S. spec., ws A.B., 1935, Flora Macdonald Coll.	Wakulla
Oxley, Fred Wilton, C. 3, fws	Clinton
Pace, Clifford Edney, G. C. 1, fws	Hendersonville
Packer, Frederick Carlton, Ph. 1, fws	Clinton
Page, Clarence Eugene, Ph. 2, fs	Henderson
Page, Elizabeth Marina, A-Sci. 3, fws	Raleigh
Page, Fred Carlisle, Jr., C. 3, f	Asheboro
Page, Joseph Daniel, C. 3, fw	Chapel Hill
Page, Owen Hendricks, A-Sci. 3, fws	Rocky Mount
Page, Robert Claude, Jr., A-Sci. 4, fws	Charlotte
Page, Sallie Antoinette, A-Sci. 2, fws	Chapel Hill
Palamar, Eugene Joseph, G. C. 1, fws	Westbury, N. Y.
Palmer, Edward John, C. 2, fws	Rushland, Penna.
Palmer, Gudger Yost, C. 4, fws	Charlotte
Palmer, Horace, G. C. 1, fws	Littleton
Palmer, Janet, C. 3, fws	Hookerton
Palmer, Jeff Davis, C. 2, fw	Warrenton
Pancoast, John Wily, G. C. 1, fws	Bluemont, Va.
Parker, Billy B., E. E. 4, fws	Monroe
Parker, Carl Putnam, A-Sci. 3, fws	Seaboard
Parker, David Henry, C. 2, fs	Benson
Parker, Ezra Alphonso, A-Sci. 4, w	Benson
Parker, Frank Marion, Law 3, f A.B., 1934	Asheville
Parker, Herman Manley, A-Sci. 4, f; Grad. ws	Vass
Parker, Jesse Coe, Jr., A-Sci. 4, fws	Wilmington
Parker, John Johnston, Jr., A-Sci. 3, fws	Charlotte
Parker, James Moore, C. 2, ws	Raleigh
Parker, Linus Marcellus, Jr., Law 1, f	Raleigh
Parker, Max Franklin, A-Sci. 3, fws	Monroe
Parker, Minnie Ferol, Ph. 2, ws	Chapel Hill
Parker, Romulus Bragg, G. C. 1, fws	Enfield
Parker, Samuel Lester, Jr., A-Sci. 2, fws	Pinetops
Parker, Simpson Martin, Jr., A-Sci. 4, f	Charleston, S. C.
Parker, Stewart Redfield, A-Sci. 2, fws	Garden City, N. Y.
Parker, William Benjamin, C. 2, fw	Farmville

Parker, Wylie Fort, A-Sci. 4, fws — Goldsboro
Parks, Owen Tracy, Jr., C. 4, f — Hallison
Parnell, Robert Isham, A-Sci. 2, fws — Lumberton
Parnell, Wade Hampton, G. C. 1, fws — Lumberton
Parrish, Charles Irving, G. C. 1, fws — Smithfield
Parrish, Frederick Mortimer, Jr., A-Sci. 2, fws — Winston-Salem
Parrott, Chloe, A-Sci. 3, s — Henderson
Parrott, George Fountain, G. C. 1, fws — Kinston
Parrott, James Marion, A-Sci. 4, fw — Kinston
Parrott, William Thomas, Jr., G. C. 1, fws — Kinston
Parsons, Pleasant Arrand, Jr., A-Sci. 2, fw — Ellerbe
Parsons, Thomas Leake, Jr., Law 3, fs — Rockingham
A.B., 1935
Patrick, George Branch, A-Sci. 2, fws — Durham
Patrick, Lane Alexander, A-Sci. 2, fw — Hamlet
Patrick, Lytle Neale, G. C. 1, fws — Gastonia
Patten, Brooks, G. C. 1, fws — Wilmington
Patterson, Joseph Flanner, A-Sci. 2, fws — New Bern
Patterson, Neil Theron, A-Sci. 2, w — Chapel Hill
Patterson, Wilson Edwin, G. C. 1, fws — Mount Airy
Pavlakis, John, C. 3, fws — Chapel Hill
Peacock, Carner J., G. C. 1, fws — Benson
Peacock, Edwin Bruton, C. 4, ws — Fremont
Peacock, James Edward, A-Sci. 2, f — Fremont
Peacock, John Hadly, A-Sci. 2, fws — Wilson
Peacock, William Sawyer, C. 4, fws — Chapel Hill
Pearson, William Arthur, G. C. 1, fws — Charlotte
Peck, Robert Hilles, Ci. E. 3, fws — Morristown, N. J.
Peebles, Julia Bowen, A-Sci. 2, fws — Chapel Hill
Peed, Carl Lea, C. 3, fws — Durham
Peele, Grayce Boyns, A-Sci. 4, fws — Rich Square
Peeples, Andrew, P. H. A. spec., s — Bamberg, S. C.
Peiffer, Carl David, C. 2, fws — Wilmington
Pendergraft, Paul D., C. 3, fw — Chapel Hill
Pendergrass, Thaddes Vivian, G. C. 1, f — Rutherfordton
Pendleton, John P., A-Sci. spec., s — Lawndale
Penn, Charles Ashby, Law 3, f — Reidsville
A.B., 1934
Penn, Patty Elizabeth, A-Sci. 3, fws — Clayton
Percy, Leroy Pratt, A-Sci. 2, fws — Greenville, Miss.
Percy, Walker, A-Sci. 3, fws — Greenville, Miss.
Perkins, Joseph Alexander, A-Sci. 2, fws — Monroe
Perkins, Robert Theodore, A-Sci. 2, fws — Morganton
Perry, Alfred Winton, A-Sci. 2, fws — Franklin
Perryman, Olin Charles, Jr., A-Sci. 3, fws — Winston-Salem
Person, Thomas Edgar, A-Sci. 2, fws — Stantonsburg
Peterson, Everett Lindsay, C. 3, fws — Clinton

Petrea, Oscar Adolphus, Jr., Ch. E. 2, fws	Lexington
Petree, Walter Mitchell, A-Sci. 2, fws	Danbury
Petty, Alvis Brooks, A-Sci. 4, fws	Pittsboro
Phillips, Jesse Kemp, A-Sci. 2, f	Middlesex
Phillips, Guy Berryman, Jr., C. 2, fws	Greensboro
Phillips, William Gates, E. E. 2, fws	Huntsville, Tex.
Physioc, John Underwood, A-Sci. 2, f	Littleton
Pickard, John Gilbert, Ch. E. 2, fws	Wilmington
Pickering, Charles Brewer, P. H. A. spec., s	Wake Forest
Pickett, Aubrey Mangum, C. 4, fw	Durham
Pickett, Claude Joseph, A-Sci. 4, fws	Spencer
Pierce, Peter Pennick, G. C. 1, ws	St. Augustine, Fla.
Pigford, Robert Toms, Med. 1, fws	Wilmington
Pijanowski, Walter Joseph, Med. 1, fws	Schenectady, N. Y.
Pike, Mary Nancy, Ph. 4, fws	Concord
Pikutis, Albin, A-Sci. 3, fws	New Britain, Conn.
Piland, Newbern Earl, A-Sci. 3, f	Lacrosse, Va.
Pittman, Lawrence Edward, G. C. 1, fws	Rocky Mount
Pleasant, William Corbitt, C. 2, fws	Angier
Podesta, Gerard Bernard, G. C. 1, fws	Montclair, N. J.
Poe, Charles Aycock, Law 1, fs A.B., 1935	Raleigh
Poe, William Dismukes, A-Sci. 3, fws	Raleigh
Poindexter, James Edward, A-Sci. 3, fws	Warrenton
Polisar, Robert Saul, G. C. 1, fws	Brooklyn, N. Y.
Pollock, Casra Kenneth, A-Sci. 3, fws	Bath Beach, N. Y.
Pollock, Margaret Lee, A-Sci. 3, fws	Chicago, Ill.
Pollock, Theodore, Med. 1, s	Paulsboro, N. J.
Ponder, Graham, A-Sci. 3, f	Asheville
Pool, Murray Haynes, C. 2, fws	Raleigh
Pool, Rufus Adolphus (Jack), A-Sci. spec., fw S.B., 1935	Raleigh
Poole, Helen Rosalie, A-Sci. 2, f	Dunn
Poole, Jesse Roberts, A-Sci. 3, fws	Stoneville
Poole, Mary Elizabeth, L. S., fws A.B., 1935, Duke University	Troy
Poole, Walter Roy, C. 3, fws	Rocky Mount
Pope, Marcellus, Jr., C. 2, fws	Enfield
Pope, Richard Hunter, Jr., G. C. 1, fws	Enfield
Poppenhusen, Conrad Henry, G. C. 1, fws	Clinton, Conn.
Potter, Bertram Lewis, A-Sci. 2, fws	New York, N. Y.
Potts, Mary Catharine, P. A. 3, fws	Davidson
Potts, Ramsay Douglas, C. 2, fws	Memphis, Tenn.
Powell, Julius Benjamin, A-Sci. 4, fws	Clinton
Powers, Owen Meredith, Jr., C. 2, fws	Fayetteville
Powers, Thelma Barnhardt, A-Sci. 4, f	Bennettsville, S. C.
Pratt, Ellis Carl, L. S., fws A.B., 1934, Duke University	Winston-Salem

Pressly, John Sloan, Ph. 2, f	Goldsboro
Preston, Harry DesPlaceo, G. C. 1, fws	Brooklyn, N. Y.
Preston, Walter Maxson, A-Sci. spec., w	Saluda
Prestwood, Marvin Link, G. C. 1, fws	Lenoir
Price, George Galloway, G. C. 1, fws	Taylorsville
Price, Hubert Graham, Ph. 2, fws	Ellenboro
Pridgen, Gertrude Mae, A-Sci. 4, fws	Chapel Hill
Primrose, Hugh Williams, C. 4, fws	Richmond, Va.
Pritchard, Donald D'Arcy, G. C. 1, fws	Asbury Park, N. J.
Pritchard, Helen Elizabeth, A-Sci. 3, fws	Asheville
Pritchard, William Richard, G. C. 1, fws	Elizabeth City
Privette, Hubert Jones, G. C. 1, fws	Chapel Hill
Privette, William Garland, Ch. E. 4, fws	Chapel Hill
Proctor, S. Kinion, C. 2, fws	Oxford
Proctor, William Vinson, Ph. 1, fws	Wilson's Mills
Prouty, Chilton Eaton, A-Sci. 4, fws	Chapel Hill
Pruden, Jack McMullan, Ci. E. 4, f	Edenton
Puckett, Beth Norvell, A-Sci. 4, f	Greensboro
Puckett, Lewis Sherrill, Law 1, fs	Asheville
Puig, George Oscar, A-Sci. 2, ws	Habana, Cuba
Puig, Robert Pelegrin, A-Sci. 2, fws	Habana, Cuba
Pullen, Florence Virginia, C. 2, fws	Chapel Hill
Pulliam, Thelbert Lee, G. C. 1, fws	Winston-Salem
Putnam, Hugh Weathers, G. C. 1, fws	Lincolnton
Putney, Robert Hubbard, Jr., A-Sci. 2, fws	Elm City
Putterman, Seymour, A-Sci. 3, fws	Brooklyn, N. Y.
Quarles, Wythe Davis, G. C. 1, fws	Wilmington
Quigley, Kathryn Teresa, A-Sci. 4, fws	Oak Park, Ill.
Rabb, Stuart White, A-Sci. 2, fws	Lexington
Raborg, William Anderson, G. C. 1, fws	Chapel Hill
Rachide, Joseph John, C. 2, fws	New Bern
Rackley, Felton Adolphus, C. 3, f	Rose Hill
Rainey, John Marion, C. 3, fws	Asheville
Ramsay, John Erwin, C. 2, fws	Salisbury
Ramsey, Kenneth Winfield, G. C. 1, fws	Marion
Rancke, Henry Charles, Jr., Law 1, fs	Rockingham
Rand, Hubert Hinton, C. 4, fw	Garner
Rand, Thomas Reid, Jr., Ph. 1, fws	Raleigh
Randall, Samuel Black, G. C. 1, fws	Willow Grove, Penna.
Raney, William Alexander, G. C. 1, fws	Goldsboro
Rankin, Claude Wharton, Jr., A-Sci. 4, fws	Fayetteville
Rankin, Edward Ray, G. C. 1, fws	China Grove
Rankin, Frank Battley, G. C. 1, fw	Mount Holly
Rankin, John Watkins, G. C. 1, fws	Winston-Salem
Rankin, Pinkey Ray, Law spec., fs	Wilmington
Rankin, William Harlow, C. 2, f	Wilmington

Ranson, Elva Ann, A-Sci. 3, fws	Charlotte
Raper, Emery Elisha, C. 3, fws	Lexington
Rasberry, Edwin Albert, Jr., A-Sci. 3, fws	Snow Hill
Rasberry, Francis Pugh, C. 2, fws	Kinston
Ray, John Clifford, Jr., C. 4, fws	Hillsboro
Ray, Marvin, C. 3, fws	Chapel Hill
Ray, Mary, A-Sci. 3, fws	Norwood, Ga.
Ray, Robert Marsh, Jr., C. 2, fws	Oxford
Ray, William Harris, C. 4, fws	Sanford
Ray, William Shelton, G. C. 1, fws	Waynesville
Raymer, Dewey L., Jr., Law 1, s	Statesville
Raynor, George S., G. C. 1, fws	Rockville Center, N. Y.
Read, Nicholas Cabell, A-Sci. 2, fws	Montgomery, Ala.
Readling, William Martin, C. 2, fws	Davidson
Reaves, Hallie Craven, Ph. 4, fws	Raeford
Reaves, Richard Right, Ch. E. 3, fws	Roanoke Rapids
Redfern, George Alexander, A-Sci. 2, fws	Hoffman
Reece, Randolph Hampton, G. C. 1, fws	Winston-Salem
Reed, Clyde Sydney, C. 3, fws	Asheville
Reed, Howard, G. C. 1, fws	Greensboro
Reed, William Inman, C. spec., f	Burlington, Vt.
Reese, Jesse Byers, G. C. 1, fws	Hendersonville
Rehm, Edward Lawrence, Jr., C. 4, fws	Upper Montclair, N. J.
Reid, Charles Hamilton, A-Sci. 2, fws	Winston-Salem
Reid, Lola Carolyn, A-Sci. 3, fws	Charlotte
Reid, William Lewis, Law 1, fs	Winston-Salem
Reid, William Millard, C. 2, fws	Union Mills
Reinhart, Ralph Sherman, A-Sci. 3, fws	Altoona, Penna.
Reynolds, Benjamin Ralph, G. C. 1, fws	Greensboro
Reynolds, Paul Bernhardt, Ci. E. 2, fws	Salisbury
Reynolds, Robert Rice, Jr., Law 3, fs A.B., 1934	Asheville
Rhem, John Fitzhugh, Ph. 1, fws	Warrenton
Rhodes, Claude Morris, C. 4, fws	Hendersonville
Rhodes, Harry, Jr., A-Sci. 2, fws	New York, N. Y.
Rhodes, James Fredrick, Ph. 1, fws	Lincolnton
Rhodes, James Slade, Jr., A-Sci. 3, fws	Williamston
Rhyne, Robert Yoder, Med. 1, fw	Gastonia
Rice, Glenn Andrew, C. 2, fw	Reidsville
Rice, Thomas, G. C. 1, fws	Scarsdale, N. Y.
Rice, William Parke, P. H. A. spec., s	Pensacola, Fla.
Richards, Powell, G. C. 1, fws	Swarthmore, Penna.
Richardson, Ernest Christopher, Jr., A-Sci. 2, fw	New Bern
Richardson, William Youman, Jr., G. C. 1, fws	Dover
Richman, Allen A., G. C. 1, ws	New York, N. Y.
Richter, Horace, G. C. 1, fws	Mt. Gilead

Riddle, George Barber, Jr., C. 2, fws	Raleigh
Riddle, Harry Lee, Jr., Law 1, fs	Morganton
Riddle, Janie O. Hunt, A-Sci. 2, fws	Oxford
Ridout, Charles Francis, P. H. A. spec., s	Petersburg, Va.
Riggsbee, John Bunyan, G. C. 1, fws	Bynum
Rippy, James Fred, Jr., G. C. 1, fws	Durham
Ritchie, Grover Clarence, Jr., C. 2, fws	Albemarle
Ritchie, Guy Gilbert, G. C. 1, fws	Chapel Hill
Robbins, Harold Edward, Jr., M. E. 4, fws	Norwich, Conn.
Roberson, Clara Cunningham, C. 3, fws	Durham
Roberts, Michael Anderson, G. C. 1, fws	Kinston
Roberts, Samuel Irving, A-Sci. 4, fws	Bridgeport, Conn.
Robertson, Joe Henry, C. 2, fws	Advance
Robinson, Blackwell Pierce, A-Sci. 3, fws	Weldon
Robinson, Charles David, C. 2, fws	Candor
Robinson, Charles Moore, Jr., G. C. 1, fws	Fayetteville
Robinson, Donald James, A-Sci. 3, fws	Weaverville
Robinson, Gordon Charles, C. 2, fs	Stamford, Ont.
Robinson, William Blades, G. C. 1, fws	Elizabeth City
Rockwell, Paul, E. E. 2, fws	Asheville
Rodgers, Herbert Blair, C. 2, fws	Birmingham, Ala.
Rodman, Clark, A-Sci. 2, ws	Washington
Rodman, Owen Guion, C. 3, fs	Washington
Rodman, William Blount, Law 2, fs	Washington
Rogers, Ernest Thurston, A-Sci. 2, f	Rougemont
Rogers, Frank Benjamin, Jr., A-Sci. 2, fws	Bennettsville, S. C.
Rogers, Frank Bloodworth, Law 1, fs	Rome, Ga.
Rogers, Frank Mandeville, G. C. 1, ws	Florence, S. C.
Rogers, Gayle, Ci. E. 3, f	Charlotte
Rogers, Wiley Mager, Jr., G. C. 1, fws	Raleigh
Rood, Carlton Alexander, G. C. 1, fws	Brooklyn, N. Y.
Rood, Wilson Andrew, G. C. 1, fws	Brooklyn, N. Y.
Rooker, Randolph Macon, Law 1, f	Norlina
Rose, Eliza Evans, C. 3, fws	Chapel Hill
Rosenbaum, Herman Jack, C. 2, fws	Belmar, N. J.
Rosenthal, Robert Jonathan, A-Sci. 3, fws	Troy, N. Y.
Rosenweig, Robert Jean, G. C. 1, fws	Brooklyn, N. Y.
Ross, Frank Howard, Jr., C. 2, fws	Charlotte
Ross, Jane Amelia, A-Sci. 4, fws	Charlotte
Ross, Laura Eugenia, Med. 2, fws A.B., 1935	Charlotte
Ross, Mary Anna, A-Sci. 3, fs	Beckley, W. Va.
Ross, Neville Ellett, C. 3, fws	Chapel Hill
Rosser, Claude Pernell, C. spec., ws	Sanford
Rosser, Roy Pleasant, Jr., C. 4, fws	Sanford
Roth, Norman Bernard, C. 2, fws	Brooklyn, N. Y.

Rothschild, Norman Samuels, G. C. 1, fws	Columbus, Ga.
Rountree, Charles Stanly, A-Sci. 2, fws	Farmville
Rowe, George Catlett, Med. 1, fws A.B., 1935	Charlotte
Rowe, Joseph Vance, Jr., G. C. 1, fws	Aberdeen
Rowell, Audrey Gene, A-Sci. 4, fws	Edenton
Rowland, James Jordan, G. C. 1, fws	Henderson
Rowland, Randolph, C. 3, fws	Middleburg
Royal, Benjamin Franklin, Jr., A-Sci. 3, fws	Morehead City
Rubin, Irving Israel, G. C. 1, f	Pittsfield, Mass.
Rubin, Leonard, A-Sci. 2, fws	Bronx, N. Y.
Ruden, Irving, A-Sci. 4, fws	Far Rockaway, N. Y.
Rudolph, Henry Latimer, G. C. 1, fws	Asheville
Ruffin, DeLavalette Gertrude, A-Sci. 3, fws	Ellerbe
Ruffin, Marvin Britt, G. C. 1, fws	Tarboro
Ruffin, Mary Etta, L. S., fws A.B., 1935, Meredith Coll.	Ellerbe
Rufty, Archibald Caldwell, Law 1, fs	Salisbury
Rufty, William Lee, G. C. 1, fws	Salisbury
Rumsey, Mary Cornelia, A-Sci. 3, fws	Batavia, N. Y.
Ruppman, Sidney Charles, G. C. 1, fws	New York, N. Y.
Russ, David Perry, Jr., C. 2, fws	Fayetteville
Russell, Joe Brent, G. C. 1, fws	Marshville
Russell, Jesse Milton, Jr., Ph. 2, fws	Canton
Russell, Robert Phillips, A-Sci. 4, fws	Asheville
Russell, Thomas Wayne, Ph. spec., fws	Thomasville
Rustin, Ralph Shepard, C. 2, fws	Charleston, S. C.
Ruth, Earl Baker, A-Sci. 2, fws	Charlotte
Rutter, Harold Archer, Jr., M. E. 4, fws	Andover, Mass.
Sacrinty, Pete George, Jr., G. C. 1, fws	Greensboro
Sager, Harold Lauck, G. C. 1, fws	Danville, Va.
Sakolsky, Melvin, G. C. 1, fws	New Rochelle, N. Y.
Salamon, Peter Eugene, G. C. 1, f	Mattapan, Mass.
Salisbury, Paul Lee, Jr., C. 3, fws	Scotland Neck.
Salsbury, Sherrod, C. 4, fws	High Point
Samet, Jerome, G. C. 1, fs	Mt. Airy
Sanderson, Earlie Clifford, Law 1, fs A.B., 1931	Wallace
Sandlin, Nannie Sue, A-Sci. 3, fws	Old Fort
Sanford, Cecil LeRoy, A-Sci. 2, fws	Laurinburg
Sanford, James Terry, G. C. 1, fws	Laurinburg
Sanford, Rufus Brown, Jr., Law 1, fs B.S., 1935, Davidson Coll.	Mocksville
Santoro, William Anthony, A-Sci. 2, fw	Waterbury, Conn.
Saposnik, Jacob Morris, A-Sci. 2, fws	Boston, Mass.
Sarasohn, Ira Jules, C. 2, fws	Newark, N. J.
Sarratt, Alexander Reed, Jr., A-Sci. 3, fws	Charlotte

Satterfield, John Angier, C. 3, fws	Durham
Saunders, Joseph Hubbard, Jr., A-Sci. 4, f	Williamston
Saunders, John Maxson, G. C. 1, s	Flushing, N. Y.
Saunders, William Spencer, Ch. E. 2, f	East Spencer
Savin, Milton Willard, G. C. 1, fws	Elizabeth City
Sawyer, Carroll Estis, G. C. 1, f	Columbia
Sawyer, William Hamilton, A-Sci. 3, fws	Raleigh
Saylor, Berger, C. 3, fws	Pfafftown
Scales, Archibald Henderson, Law 1, fs	Chapel Hill
Scales, Mary Leigh, A-Sci. 3, fws	Chapel Hill
Schaper, William Lewis, C. 2, f	West Sayville, N. Y.
Schehr, Louis, C. 3, fws	Brooklyn, N. Y.
Schehr, Milton, C. 2, fws	Brooklyn, N. Y.
Scherer, Milton Lloyd, A-Sci. 3, fws	Brooklyn, N. Y.
Schiffer, Victor Adolph, A-Sci. 4, fw	New York, N. Y.
Schiller, John Taylor, Law 1, fs	Wilmington
Schimmel, Mark George, G. C. 1, fws	Jersey City, N. J.
Schinhan, Philip C., G. C. 1, fws	Chapel Hill
Schneider, Arthur Joseph, C. 3, fws	Jamaica, N. Y.
Schoaf, Bernard John, A-Sci. 4, fws	Chapel Hill
Schwartz, Sidney Melvin, G. C. 1, fws	Wilmington
Scofield, Floyd Sebastian, G. C. 1, fws	White Plains, N. Y.
Scoggins, Katharine Henderson, L. S., fws A.B., 1933	Warrenton
Scott, David Hamilton, A-Sci. 4, fws	Wilmington
Scott, Henry William, Jr., A-Sci. 3, fws	Graham
Scott, Lacy Pershing, G. C. 1, fws	Greensboro
Scott, Robert Lynch, G. C. 1, fws	Rocky Mount
Scott, William Coleman, A-Sci. 4, f	Greensboro
Scroggs, Ross Edward, G. C. 1, fs	North Wilkesboro
Seales, Henry Floyd, A-Sci. 2, fws	Laurinburg
Searles, Ruth Annette, L. S., fws B.S., 1930, Mount Holyoke Coll.	Springfield, Mass.
Seawell, Donald Ray, Law 3, f A.B., 1933	Raleigh
Seawell, Edward Harding, A-Sci. 2, fws	Raleigh
Seawell, John Quincy, Jr., G. C. 1, fws	Raleigh
Seawell, Sarah Jeannette, A-Sci. 4, fws	Raleigh
Seebert, Walter Dunlap, P. H. A. spec., s	Belle Haven, Va.
Sensenbach, Charles Willis, Med. 1, fws A.B., 1935	High Point
Serrem, Edward MacDonald, A-Sci. 4, f	Fort Bragg
Sessoms, Merville White, Ph. 1, fws	Colerain
Seymour, Woodrow Wilson, Law 3, fs B.S., 1933, Davidson Coll.	Sanford
Shaffner, Louis deSchweinitz, A-Sci. 3, fws	Winston-Salem
Shalom, Victor Hyman, C. spec., fws	Brooklyn, N. Y.

Shapiro, Edward, C. 4, fs	Sheepshead Bay, N. Y.
Shapiro, Leonard, A-Sci. 2, fws	Hempstead, N. Y.
Sharp, Thomas Adolphus, Ch. E. 3, fws	Reidsville
Shaw, Clyde Alexander, Jr., C. 2, fws	Concord
Shaw, Elliott Gilford, Jr., G. C. 1, fws	Henderson
Shaw, Stephen Jerome, C. 3, fws	Richlands
Shedd, John Lawson, A-Sci. 4, fws	Leonia, N. J.
Sheffield, Bernard Cleveland, Jr., Ph. 2, f	Warsaw
Shell, Eugene Craig, G. C. 1, fws	Roanoke Rapids
Shell, James Coburn, C. 3, fws	Roanoke Rapids
Shepherd, Giles Freemont, Jr., L. S., fw A.B., 1934	Burlington
Shepherd, Walter Scott, C. 2, fws	Charlotte
Sheppard, Eloise, A-Sci. 4, fws	Asheville
Sherrill, Frank Roger, C. 2, fws	Granite Falls
Shewbridge, Wallfond Hope, P. H. A. spec., s	Richmond, Va.
Shiller, Larry, M. E. 2, fws	Hurleyville, N. Y.
Shingleton, William Warner, Jr., A-Sci. 2, f	Wilson
Shirey, John Luther, Med. 1, fws B.S., 1935, Davidson Coll.	Mt. Pleasant
Shore, Abraham Albert, C. 2, ws	Rockingham
Shore, Francis Marion, Jr., C. 3, fws	Washington, D. C.
Shore, Hoke Flynt, C. 2, fws	Winston-Salem
Shore, James Henry, G. C. 1, fws	Boonville
Shore, Jackson Newton, C. 3, fws	Washington, D. C.
Shores, William Irving, A-Sci. 2, fws	Baltimore, Md.
Shull, Joseph Rush, C. 4, fws	Charlotte
Shulman, Richard B., A-Sci. 2, fws	Edgemere, N. Y.
Sides, Fred Herbert, Jr., A-Sci. 3, fws	Asheville
Siegel, Sidney Harold, G. C. 1, fws	New York, N. Y.
Siegle, Peter Eugene, G. C. 1, fws	Mattapan, Mass.
Silver, Henry Fischer, G. C. 1, fws	Newark, N. J.
Simkovitz, Arthur, Med. 1, fws A.B., 1935	Wilkes-Barre, Penna.
Simmons, Berkeley Leo, G. C. 1, fws	Washington, D. C.
Simmons, Mac, A-Sci. 3, fws	Chapel Hill
Simmons, Robert Griggs, G. C. 1, fws	Greensboro
Simmons, Wilson Coite, Ph. 2, fws	Conover
Simmons, Walter Eugene, A-Sci. 2, fws	Tarboro
Simon, Raymond, A-Sci. 2, fws	Union City, N. J.
Simpson, Albert, C. 2, fws	Irvington, N. J.
Simpson, Andrew Laurence, C. 3, fws	Rock Hill, S. C.
Simpson, Evander Samuel, A-Sci. 4, fws	Roseboro
Simpson, George Taylor, Jr., C. 2, f	Roseboro
Simpson, Harold Edward, A-Sci. 4, fws	Dover
Simpson, John T., C. 2, fw	Winston-Salem
Sinclair, Charles Stuart, A-Sci. 2, fs	Marion

Sisk, Robert Cecil, Ph. 3, ws	Bryson City
Sisson, Francis TenEyck, Jr., C. 4, fws	Potsdam, N. Y.
Sisson, Hugh Hamilton, G. C. 1, fws	Reidsville
Sitterson, Simon Carlyle, Jr., G. C. 1, fws	Kinston
Sivertsen, James Hansen, A-Sci. 3, fws	Autryville
Skeen, Thompson Hunter, G. C. 1, fws	Biscoe
Skinner, Ben Smith, Med. 1, fws	Durham
Skinner, Louis Cotten, Jr., A-Sci. 3, fws	Greenville
Slade, Thomas Bog, III, E. E. 4, fws	Hamilton
Slawter, John David, Jr., G. C. 1, fws	Winston-Salem
Slicer, Douglas Heber, A-Sci. 2, fws	Washington, D. C.
Sloan, Cyrus Thompson, Jr., G. C. 1, fws	Marion, S. C.
Sloan, William Lee, Ph. 1, fws	Chapel Hill
Sloan, William Neville, A-Sci. 4, fws	Franklin
Sloop, Charles Blume, G. C. 1, fws	Concord
Sloop, John Lewis, E. E. 2, fws	Monroe
Slotoroff, Sidney, C. 3, fws	Brooklyn, N. Y.
Sluder, Fletcher Sumpter, Med. 2, fws	Asheville
Smalley, George Edwin, C. 4, fws	Syracuse, N. Y.
Smith, Albert Brant, Jr., C. 2, fws	Fayetteville
Smith, Amaziah Parker, A-Sci. spec., f	Goldsboro
Smith, Bert S., Jr., A-Sci. 4, fws	Farmville
Smith, Calvin Hunter, C. 3, fw	Greensboro
Smith, Charles Lee, G. C. 1, fws	Harlan, Ky.
Smith, Caroline Olsin, A-Sci. 3, fs	Gainesville, Ga.
Smith, Currie Otis, C. 2, fws	Graham
Smith, David Judson, Jr., C. 2, fws	Chapel Hill
Smith, Eileen Mabel, A-Sci. 3, fws	Chapel Hill
Smith, Foyell Pennington, G. C. 1, fws	Lexington
Smith, Henry Edwin, Ph. 3, fws	Conover
Smith, John David, Ph. 3, fws	Deposit, N. Y.
Smith, John McNeill, A-Sci. 2, fws	Rowland
Smith, Kirby, A-Sci. 3, f	Houston, Tex.
Smith, Lovick Pierce, G. C. spec., f	Hendersonville
Smith, Melvin Bowman, Med. 2, fws	Durham
Smith, Mack Edward, Jr., C. 2, fws	Fountain
Smith, Marion Hinson, C. 4, fws	Wagram
Smith, Nancy Marie, A-Sci. 2, fws	Chapel Hill
Smith, Odell Martin, A-Sci. 4, fws	Winston-Salem
Smith, Ruby Arden, A-Sci. 3, ws	West Jefferson
Smith, Robert Bruce, C. 2, fws	Lexington
Smith, Robert Lee, C. 2, s	Asheville
Smith, Stewart Haines, G. C. 1, fws	Charlotte
Smith, Samuel Winslow, G. C. 1, fws	Punxsutawney, Penna.
Smith, Vinson Everett, C. 4. fws	Richmond Hill, N. Y.
Smith, Willis Crouth, Law 1, fs	Belmont
Smith, William Holmes, M. E. 2, fws	West Belmar, N. J.

Smith, William Julius, Ph. 3, fws	Morganton
Smith, Warren Mattson, Jr., G. C. 1, fws	Penn's Grove, N. J.
Smithwick, Edward Lee, Ph. 1, fws	Belhaven
Snipes, Richard Dean, G. C. 1, fws	Hamlet
Sniscak, John Louis, A-Sci. 3, f	Lansford, Penna.
Snively, Charles Stock, C. 3, fws	Chapel Hill
Snow, John Kendall, C. spec., fws	Greensboro
Snow, Woodrow Wilson, G. C. 1, f	Mt. Airy
Snowden, DuPont, A-Sci. 4, fws	Forest Hills, N. Y.
Snyder, Dorothy Claire, A-Sci. 3, fws	West Asheville
Snyder, Herman Presley, A-Sci. 3, fws	Monroe
Snyder, Jacob Elias, C. 4, fws	Bethlehem, Penna.
Snyder, Nathanial, A-Sci. 2, f	Roxbury, Mass.
Sobelson, Stanley, Jr., A-Sci. 2, fws	Newark, N. J.
Solomon, Carl, C. 2, fws	Richmond Hill, N. Y.
Somers, Richard Joseph, Law 2, fs	Raleigh
Sosnik, Robert Brendle, A-Sci. 3, fws	Winston-Salem
Sassomon, Daniel Creighton, G .C. 1, fws	Charlotte
Southard, James Elmo, P. A. 4, fws	Leaksville
Southerland, Council Wooten, C. 2, fws	Mt. Olive
Southerland, Sam Carl, G. C. 1, fws	Durham
Southerland, Sue Dupuy, A-Sci. 2, fws	Chapel Hill
Spanier, Robert Martin, G. C. 1, fws	New York, N. Y.
Sparger, Haywood Merritt, E. E. 2, fws	Mt. Airy
Sparrow, Vernon Starr, G. C. 1, fws	Chapel Hill
Spear, Louise, A-Sci. 2, fws	Chapel Hill
Spelke, Louis Samuel, C. 2, fws	Stamford, Conn.
Spell, Charles Connelly, G. C. 1, fws	Godwin
Spence, George Brogden, C. 3, fws	Goldsboro
Spencer, Mary Fowler, A-Sci. 4, fws	Carthage
Spencer, Thomas Booth, Med. 2, fws A.B., 1934	Charlotte
Spencer, Tracy Neil, Jr., A-Sci. 3, fws	Concord
Sperry, William Hunter, G. C. 1, fws	Milton, Mass.
Spicer, Emmet Robinson, A-Sci. 3, fws	Goldsboro
Spicer, John, A-Sci. spec., ws	Goldsboro
Spicer, Neal Greer, G. C. 1, fws	Jefferson
Spiers, Davis Bryant, Jr., C. 4, fws	Norfolk, Va.
Spies, Jack Opin, A-Sci. 3, fws	Newark, N. J.
Spivey, Thomas Denmuth, A-Sci. 2, fws	Goldsboro
Sprinkle, Ralph, A-Sci. 2, fs	Winchester, Va.
Sprunt, James Laurence, Jr., A-Sci. 4, fws	Wilmington
Stacy, Lucius Eugene, Jr., G. C. 1, fws	Chapel Hill
Stallings, Dempsey Wright, Ph. 1, fw	Pinetops
Stallings, Herbert Paris, C. 3, fws	Wilson
Stallings, John Thomas, C. 2, fws	Pinetops
Stancil, James Rose, A-Sci. 4, fws	Smithfield

Stanford, Gaston William, Ci. E. 2, fw	Greensboro
Stanley, John K., G. C. 1, f	Kinston
Staples, Raymond Fowler, Jr., G. C. 1, fw	Ridgecrest
Star, Joseph, E. E. 3, fws	Lawrence, N. Y.
Starks, George Allen, A-Sci. 4, fws	Rochester, N. Y.
Starnes, Charles Jackson, G. C. 1, fws	Asheville
Starnes, Roy Glenn, A-Sci. 2, fws	Bynum
Stauber, William Erwin, Jr., C. 2, fw	Rural Hall
Steele, Flake Futhey, G. C. 1, fws	Winston-Salem
Steele, George Spencer, Jr., A-Sci. 3, fws	Rockingham
Stein, Fred L. M., C. 3, fws	Chicago, Ill.
Stein, Harry Benjamin, Law 3, fs	Bridgeport, Conn.
Stein, Harry Binder, Law 3, fs A.B., 1935	Fayetteville
Steinert, Gerard, A-Sci. 3, fws	Bayonne, N. J.
Stenhouse, Gordon Conover, A-Sci. 3, fws	Mt. Vernon, N. Y.
Stephens, Sophie Myers, A-Sci. 4, fws	Asheville
Stephenson, Edward Vassar, Ph. 3, fws	Seaboard
Stern, Sidney Joseph, Law 2, fs S.B., 1935	Greensboro
Stevens, Elizabeth Elliott, A-Sci. 3, fws	Haddonfield, N. J.
Stevenson, Mary Esther, A-Sci. 3, fws	Chapel Hill
Steward, Robert Eyre, G. C. 1, fws	Stockton, N. J.
Stewart, Robert McIntyre, A-Sci. 4, fws	Freeport, Penna.
Stewart, Walter Bingham, A-Sci. 3, fws	Raleigh
Stien, Manuel M., A-Sci. 3, fws	Bloomfield, N. J.
Stigelman, William Guiles, Jr., G. C. 1, fws	Rocky Mount
Stiller, Lawrence Julian, G. C. 1, s	Jersey City, N. J.
Stimson, James Horner, Med. 2, fws	Greensboro
Stoddard, Spotswood Douglas, A-Sci. 4, fws	Savannah, Ga.
Stokes, Dwight, Law 1, f; P. H. A. spec., s	Newsom
Stone, Clarence, G. C. 1, fws	Winston-Salem
Stone, Kerney Clifton, C. 2, fws	Durham
Stone, Mary Louise, A-Sci. 3, fws	Greensboro
Stoney, George Cashel, A-Sci. 3, fws	Winston-Salem
Stoopack, Chester Jerome, G. C. 1, fws	Brooklyn, N. Y.
Stout, Dan Harrington, G. C. 1, fws	Ramseur
Stovall, Harry Wylie, Jr., A-Sci. 2, fws	Wilmington
Stover, Bette Jess, A-Sci. 2, f	Chapel Hill
Stover, Verna Tennessee, A-Sci. 4, fws	Chapel Hill
Strain, Robert Walter, G. C. 1, fws	Norberth, Penna.
Strasburger, Victor, G. C. 1, fws	New York, N. Y.
Straughan, James Fleming, G. C. 1, s	Raleigh
Strayhorn, Robert Hammond, C. 3, fws	Spencer
Street, Thomas Edward, G. C. 1, fws	Enfield
Stricker, Robert Louis, A-Sci. 3, fws	Asheville
Stringfield, Sam Lanier, Jr., A-Sci. 3, s	Waynesville

Stringham, Edward MacDowell, G. C. 1, fws — New York, N. Y.
Stronach, William Barron, Jr., G. C. 1, fws — Raleigh
Strother, John Paul, A-Sci. 4, fws — Albemarle
Stroup, Matthew Alfred, G. C. 1, fws — Cherryville
Strowd, Bessie Headen, A-Sci. 2, fws — Chapel Hill
Struthers, David Lindsay, Jr., G. C. 1, fws — Wilmington
Stubbs, Robert Reid, G. C. 1, fws — Charlotte
Studdert, Thomas Woodward, A-Sci. 3, f — Washington
Stutts, Clyde Livingston, C. 3, fws — Gibson
Suggs, George Maurice, P. A. spec., w — Gastonia
Sullivan, James Jerome, A-Sci. 3, fw — Mt. Kisco, N. Y.
Summerlin, Benjamin Albritton, A-Sci. 2, s — Mt. Olive
Summers, John Dent, Med. 1, fws — Statesville
A.B., 1935, Lenoir-Rhyne Coll.
Sunstein, Charles Gerstley, G. C. 1, fws — Elkins Park, Penna.
Suominen, Wilho Nestor, Ci. E. 3, fws — Fairfield, Conn.
Suss, Irving David, A-Sci. 4, fw — Newark, N. J.
Sutliff, Isaac Herman, C. 2, fws — Spray
Sutphin, Elwin Creed, Ph. 1, fws — Greensboro
Sutton, Frederick Isler, Jr., A-Sci. 2, fws — Kinston
Sutton, James Edward, G. C. 1, fws — Penn's Grove, N. J.
Swaim, Grady Lawrence, A-Sci. 2, fws — Winston-Salem
Swaim, Wilborne Sink, C. 3, fws — Winston-Salem
Swartz, Walter Fox, G. C. 1, fws — Philadelphia, Penna.
Swift, Humphrey Hathaway, III, G. C. 1, fws — Milton, Mass.
Sykes, Hallie, L. S., fws — Greensboro
A.B., 1934, Woman's College
Sykes, Ralph Judson, P. H. A. spec., w — Mount Airy
B.S., 1930, Wake Forest Coll.; M.D., 1934, Medical College of Virginia
Tait, Harry James, Jr., A-Sci. 3, fws — Scarsdale, N. Y.
Talton, James Louis, G. C. 1, fws — Smithfield
Tankersley, Edward William, A-Sci. 2, fws — Greensboro
Tanner, Kenneth Spencer, Jr., G. C. 1, fws — Rutherfordton
Tart, Charles Graham, G. C. 1, fws — Newton Grove
Tate, John Austin, Jr., A-Sci. 2, fws — Charlotte
Tayloe, James Marion, G. C. 1, fws — Aulander
Taylor, Arthur Robert, A-Sci. 3, fws — Newark, N. J.
Taylor, Benjamin Cicero, Jr., A-Sci. 2, fws — Mount Holly
Taylor, Edmund Rhett, A-Sci. 3, fws — Chapel Hill
Taylor, Gilbert Smith, A-Sci. 4, w — Valle Crucis
Taylor, James Alexander, G. C. 1, fws — Oxford
Taylor, John Richard, C. 4, fws — Ayden
Taylor, Julian Romaine, P. H. A. spec., s — Harrellsville
Taylor, Kenneth Pollard, G. C. Spec., fws — Washington, D. C.
Taylor, Mary Louise, A-Sci. 3, w — East Falls Church, Va.
Taylor, William Granville, Jr., G. C .1, fws — Asheville
Teague, David McNeill, A-Sci. 2, ws — Sanford

Teague, G. Norwood, A-Sci. 2, fw	Goldsboro
Teal, James Paul, Jr., A-Sci. 3, fws	Wadesboro
Teijeiro, Ramona Carmen, A-Sci. 3, fws	Brooklyn, N. Y.
Temples, Leo Gillis, P. H. A. spec., s	Statesboro, Ga.
Templeton, Ralph Gordon, Ph. 1, fws	China Grove
Tennille, Norton Fortune, C. 3, fws	Winston-Salem
Tennille, William Grant, A-Sci. 4, f	Winston-Salem
Terhune, William, Jr., A-Sci. 2, f	Hackensack, N. J.
Terry, Henry T., G. C. 1, fw	Chapel Hill
Terry, William Calvin, A-Sci. 3, fw	Hamlet
Tetor, Frederick A., Jr., A-Sci. 2, fws	Ridgewood, N. J.
Theil, Sidney, A-Sci. 3, fws	Brooklyn, N. Y.
Thomas, Francis Edgar, Jr., A-Sci. 4, fws	Wadesboro
Thomas, John Waties, Jr., G. C. 1 , fws	Columbia, S. C.
Thomas, Lynn Patrick, G. C. 1, fw	Rocky Mount
Thomas, Tilman Bennett, C. 4, fws	Jonesboro
Thomas, Wilbur Winston, C. 4, fws	Rocky Mount
Thompson, Alexander Frank, A-Sci. 4, fws	Troy
Thompson, Amelia Sweet, A-Sci. spec., s	Haw River
Thompson, Fred N., P. H. A. spec., s	Appomattox, Va.
Thompson, Herman O., Ph. 3, fws	Chapel Hill
Thompson, Harry Vaine, G. C. 1, fws	Hamlet
Thompson, John Burton, C. 2, fws	Greensboro
Thompson, John Cleveland, Jr., G. C. 1, fws	Saluda
Thompson, John Lloyd, Jr., C. 2, fws	Lincolnton
Thompson, John Melvin, A-Sci. 4, w	Graham
Thompson, Lewis Whitmel, Jr., A-Sci.3, fws	Woodville
Thompson, Paul Hewitt, G. C. 1, fws	Wadesboro
Thompson, William Alexander, C. 4, fws	Aurora
Thompson, William Charles, C. 3, fws	Charlotte
Thornley, Fant Hill, L. S., fws A.B., 1930, Presbyterian Coll.	Columbia, S. C.
Thornton, Jack Edwards, G. C . 1, fws	Philadelphia, Penna.
Thornton, Mary Lindsay, A-Sci. 3, fws	Chapel Hill
Thorp, David Jones, A-Sci. 2, fws	Fries, Va.
Threlkeld, Catherine Sara, A-Sci. 4, fws	Asheville
Thurman, Bedford, G. C. 1, fws	Norfolk, Va.
Tice, William Woodrow, C. 3, fws	Williamston
Tillery, Jack Gregory, Med. 2, fws	Halifax
Tillery, Junius Wynne, G. C. 1, fws	Halifax
Tilley, John Edgar, G. C. 1, f	Chapel Hill
Timberlake, Claude Vernon, Jr., Ph. 1, fws	Youngsville
Tison, Southwood Smith, Jr., C. 2, ws	Savannah, Ga.
Tobey, Bradford Lorin, A-Sci. 3, fws	Hubbard Woods, Ill.
Todd, Evelyn, L. S., s A.B., 1936, Univ. of Miss.	Cleveland, Miss.
Tonkel, Marguerite Isear, Ph. 1, fws	Louisburg

Toon, Edward Manly, Jr., A-Sci. 3, fws	Whiteville
Topkins, Matthew, G. C. 1, fws	Brooklyn, N. Y.
Townsend, Newman Alexander, Jr., Law 3, fs A.B., 1934	Charlotte
Tracy, Joseph Robert, G. C. 1, fws	Montclair, N. J.
Trakas, Vaseleas Andrew, C. spec. fws	Gastonia
Trexler, Charles Brent, C. 4, fws	Wadesboro
Trimpey, John Surrey, A-Sci. 3, fws	Somerset, Penna.
Trotman, John Franklin, G. C. 1, fws	Winston-Salem
Trott, Graham Foard, Law 3, fs S.B., 1932	Chapel Hill
Troutman, Paul Greenwood, C. 3, fws	Addor
Truex, Henry Alan, G. C. 1, fws	Verona, N. J.
Tuck, Ralph Walter, G. C. 1, fw	South Hamilton, Mass.
Tucker, Annie Cheshire, A-Sci. 3, fws	Raleigh
Tucker, Harry Hamilton, C. 2, fws	Pageland, S. C.
Tucker, Irvin Burchard, Jr., Law 3, fs A.B., 1935	Whiteville
Tucker, John Thomas, A-Sci. 2, fw	Advance
Tudor, Dorothy Louise, A-Sci. 4, fws	Albemarle
Tufts, Thomas Chapman, A-Sci. 3, fws	Verona, N. J.
Tunick, Frederick Lionel, G. C. 1, fws	Brooklyn, N. Y.
Tunnell, Linwood Jones, G. C. 1, fws	Swan Quarter
Tunstall, Joseph Peyton, Ph. 1, fws	Belhaven
Tunstall, Reed Battle, A-Sci. 2, w	Durham
Turk, Leopold, A-Sci. 2 fw	Brooklyn, N. Y.
Turlington, James Woodall, A-Sci. 4, fws	Fremont
Turlington, Winford Holmes, G. C. 1, fws	Clinton
Turner, Eugene Alfred, Jr., G. C. 1, fws	Tryon
Turner, Joseph Vines, Jr., G. C. 1, fws	Wilson
Turner, Louie David, C. 4, fws	Charlotte
Turner, Samuel Monroe, Ph. 3, fws	Raleigh
Tyndall, Harvey Blair, G. C. 1, fws	Kinston
Tyree, Oscar Leake, C. 3, fws	Winston-Salem
Tyson, Jesse Williams, Ph. 3, fws	Asheboro
Ullman, Fred E., M. E. 2, fws	Highland Park, Ill.
Umstead, Alexander Bruce, C. 2, fws	Durham
Umstead, Douglas Randolph, C. 2, fws	Durham
Umstead, Frank Graham, C. 3, fws	Chapel Hill
Umstead, John Wesley, III, C. 2, ws	Chapel Hill
Underwood, Henry Delmon, G. C. 1, f	Smithfield
Upchurch, Theron Acriel, C. 4, fws	Apex
Upton, Wingate Boushall, G. C. 1, fws	Belcross
Urquhart, Richard Alexander, G. C. 1, fws	Woodville
Usher, Marjorie Lois, A-Sci. 3, fws	Laurel Hill
Ussery, Emery Taylor, Jr., A-Sci. 2, fws	Sanford
Utley, Marvin Bright, Jr., G. C. 1, fws	Chapel Hill

Van Cise, Stanley Howard, G. C. 1, fws	Summit, N. J.
Van Deusen, Jean, A-Sci. 4, fws	Brooklyn, N. Y.
Van Hecke, James Maurice, A-Sci. 2, fws	Chapel Hill
Van Horn, Earl Carlton, A-Sci. 3, fws	Winston-Salem
Van Kirk, Keith Morehouse, G. C. 1, fws	Larchmont, N. Y.
Van Northwick, William Alva, Med. 1, fws A.B., 1934, East Carolina Teachers Coll.	Greenville
Van Wetering, George Daniel, G. C. 1, fws	Hackensack, N. J.
Valentine, Milton Ernest, A-Sci. 3, fws	Colerain
Valk, Arthur deTalma, Med. spec., fws	Winston-Salem
Valk, Henry Lewis, A-Sci. 4, fws	Winston-Salem
Vandenburgh, Ernest Davis, Jr., A-Sci. 2, fws	Swannanoa
Vanderford, Thomas Howerton, G. C. 1, fws	Salisbury
Vann, Earl Stanford, G. C. 1, fws	Murfreesboro
Varley, Robert, P. A. 3, fws	Haw River
Vaughn, Roy Lee, G. C. 1, fws	Walnut Cove
Vaznelis, Benjamin David, G. C. 1, fws	New Britain, Conn.
Veazey, Leon Stradley, G. C. 1, fws	Rougemont
Verner, James Melton, Law 1, fs	Asheville
Vick, Edward Hoge, A-Sci. 3, fws	Selma
Vick, John Council, G. C. 1, fws	Sanford
Vickers, Claude Wallace, A-Sci. 2, fws	Durham
Vilbrandt, Charles Frank, G. C. 1, fws	Blacksburg, Va.
Vincent, Wilson Rodney, A-Sci. 2, fws	New Bern
Vincent, William Wyman, P. H. A . spec., s	Orangeburg, S. C.
Vinson, Barnard Bee, Jr., G. C. 1, fws	Lake Alfred, Fla.
Vinson, James Allen, G. C. 1, fws	Goldsboro
Vitiello, Joseph Thomas, A-Sci. 3, fws	New Canaan, Conn.
Vitriol, Jerome Irving, G. C. 1, s	Flushing, N. Y.
Von Canon, Forrest Whitney, Jr., C. 2, fws	West End
Wade, Edward Lee, C. 3, fws	Draper
Wadsworth, Hiram Benjamin, G. C. 1, fws	Parkersburg
Wagar, Garton Keith, Jr., M. E. 2, fws	New Rochelle, N. Y.
Wagger, Lawrence Howard, A-Sci. 2, fws	High Point
Wagoner, Milton Lonnie, Jr., Ph. 2, fws	Reidsville
Wagstaff, Henry McGilbert, Jr., M. E. 2, fws	Chapel Hill
Waite, Louise Frances, A-Sci. 3, fws	Washington, D. C.
Wakeley, Frank Hart, G. C. 1, fws	South Orange, N. J.
Wakeley, William Easton, C. 2, fws	South Orange, N. J.
Wales, Charles Paddock, G. C. 1, fws	Edenton
Walker, Daniel Joshua, Jr., A-Sci. 4, fws	Burlington
Walker, Elizabeth Jean, A-Sci. spec., fws	Rocky Mount
Walker, Hal Hammer, A-Sci. 2, fws	Asheboro
Walker, John Anthony, A-Sci. 4, fws	Chapel Hill
Walker, Walter Jennings, Jr., G. C. 1, fws	Erie, Penna.
Walker, Warren, Jr., A-Sci. 2, fw	Ardmore, Penna.
Wall, Frederick Bruce, C. 2, fw	Benson

Wall, George Ritchie, A-Sci. 3, fws	Siler City
Wall, Malcolm Dade, A-Sci. 3, fws	Enfield
Wall, Ruth Elizabeth, A-Sci. 3, fws	Knightdale
Wall, William Bernard, G. C. 1, fws	Greensboro
Wall, William Franklin, Law 1, f; C. spec., s	Lenoir
Wallace, Margaret, A-Sci. 3, fs	Chapel Hill
Waller, Coy Webster, Ph. 3, fws	Mt. Olive
Walsh, Paul Eugene, A-Sci. 4, fw	Winston-Salem
Walston, Ruth Phoebe, A-Sci. 3, fws	Canal Zone
Walston, Stuart, A-Sci. 2, f	Wilson
Walters, Adlai Carroll, A-Sci. 3, f	La Grange
Wang, William Howard, A-Sci. 4, fws	Port Chester, N. Y.
Ward, Donald Clifton, G. C. 1, fws	Weldon
Ward, Edward Bruce, Law 1, f A.B., 1935, Atlantic Christian Coll.	Seven Springs
Ward, Horace Griffin, A-Sci. 4, fw	Rose Hill
Ward, Joseph Herman, C. 2, fws	Hertford
Ward, Lochlin Monroe, G. C. 1, fws	Willard
Ward, Melvin Churchill, A-Sci. 3, fw	Spencer
Wardlaw, James Langdon, Jr., A-Sci. 4, fws	Calypso
Warren, David Minton, Jr., A-Sci. 3, fws	Edenton
Warren, Julien Knox, Jr., A-Sci. 3, fws	Trenton
Warren, Lovett Aldin, Ph. 1, fws	Garland
Warren, Robert Lee, G. C. 1, fws	Concord
Warren, Stewart Bethune, A-Sci. 3, fws	Newton Grove
Waters, Perry Vivian, Ph. 2, fws	Mooresville
Waters, William Leroy, G. C. 1, fws	Whiteville
Watkins, James Tillman, A-Sci. 3, fw	Forest City
Watkins, Martin Abraham, G. C. 1, w	Brooklyn, N. Y.
Watson, Earle Harris, A-Sci. 2, fws	Henderson
Watson, Francis Marion, Jr., G. C. 1, fws	Fremont
Watson, George David, G. C. 1, fws	Collingswood, N. J.
Watson, Golda J., Law, spec., fs	Winston-Salem
Watson, Ivey, Jr., M. E. 2, fws	Enfield
Watson, Joseph Winstead, Ph. 3, fws	Rocky Mount
Watson, Lucy McIver, A-Sci. 3, fws	Greenville, S. C.
Watson, Robert Neal, Ph. 2, fws	Jonesboro
Watson, William, A-Sci. 4, fws	Wilson
Watt, Robert Lee, C. 2, fws	Reidsville
Watts, Clifford Glenn, A-Sci. 4, fw	Taylorsville
Watts, Foy Coleman, C. 4, fws	Taylorsville
Waugh, William Harris, Jr., E. E. 2, fws	North Wilkesboro
Way, James Arthur, Jr., Ph. 3, fws	Asheboro
Way, John Edward, Med. 2, fws A.B., 1934	Beaufort
Waynick, Daniel Talbot, M. E. 2, f	Greensboro
Waynick, Menter Howard, Jr., A-Sci. 2, fws	Greensboro

Weathersbee, William Addison, G. C. 1, fw	Rocky Mount
Weaver, Edward, G. C. 1, fws	Wilmington
Weaver, Fred Henry, A-Sci. 3, fws	Aberdeen
Weaver, Leonard Grean, A-Sci. 2, fws	Holly Springs
Weaver, Mary Doris, A-Sci. 4, fws	Lexington
Weaver, William Rhodes, A-Sci. 3, f	Chapel Hill
Webb, Alice Cooke, A-Sci. 4, f	Hillsboro
Webb, Henry Gorham, G. C. 1, fws	Oxford
Webb, VanWyck Hoke, C. 4, fws	Raleigh
Webb, William Edwin, Jr., A-Sci. 3, fws	Statesville
Webster, Bernie Latcher, A-Sci. 4, fws	Leaksville
Weeks, Cameron St.Claire, Law 3, f	Tarboro
Weeks, Micajah Mattocks, Jr., G. C. 1, fws	New Bern
Weeks, Orin Haywood, Law 3, fs	Swansboro
Weesner, Richard Wilson, C. 4, fw	Nashville, Tenn.
Weinberg, Arthur Howard, Med. 1, fw A.B., 1934	Newark, N. J.
Weinberg, Clarence Richard, A-Sci. 3, fws	Newark, N. J.
Weinberg, Melvin, G. C. 1, fws	Far Rockaway, N. Y.
Weinberger, Robert, G. C. 1, fws	Brooklyn, N. Y.
Weinstein, Ephraim, C. 3, f	Reidsville
Weisbuch, Irving Arnold, G. C. 1, ws	Rochester, N. Y.
Welfare, Douglas Sharp, G. C. 1, fws	Winston-Salem
Wellons, Elmer James, Jr., C. 3, fws	Smithfield
Wellons, James Andrew, Jr., Law 1, fs B.A., 1932, Duke University	Smithfield
Wells, Edgar Franklin, A-Sci. 3, fws	Greensboro
Wells, John Jackson, Jr., C. 2, fws	Rocky Mount
Wells, Robert Wilson, G. C. 1, fws	Asheville
Wells, Sherrod Parker, Ph. 1, fws	Rocky Mount
Weltscheff, Athanas Vladimir, A-Sci. 2, f	Stamford, Conn.
Wertz, Augustus Houseal, Ph. spec., fws	Asheville
Wesh, Anthony Johnson, Ch. E. 4, fws	Elizabeth, N. J.
Wesson, Roy Denton, A-Sci. 2, fws	Claremont
West, John Franklin, Jr., Ph. 1, fw	Roanoke Rapids
Westbrook, James Augustus, Ci. E. 4, f	Raleigh
Wetherbee, Donald Gist, A-Sci. 3, fws	Greenville, Miss.
Weyher, Henrietta Louise, L. S., fws A.B., 1935	Kinston
Wharton, James Leslie, Jr., G. C. 1, fws	Goldsboro
Wharton, William David, Ch. E. 3, f	Greensboro
Wheat, William Turpin, A-Sci. 3, fws	Erlanger
Wheless, John Ruffin, G. C. 1, fw	Spring Hope
Whicker, Joseph Hubert, Law 1, fs	North Wilkesboro
Whitaker, Quincy Myers, A-Sci. 3, fws	Indianapolis, Ind.
White, Algird Francis, A-Sci. 3, fws	Brooklyn, N. Y.
White, Clayton Harrison, G. C. 1, ws	Mayodan

White, Henry Sheldon, C. 2, fws	Chapel Hill
White, Justin Smith, A-Sci. 2, fws	Fayetteville
White, William Carlton, A-Sci. 2, fs	Chatham, Va.
White, Wallace Thomas, M. E. 2, fws	Norlina
Whitehurst, Robert Emmet, G. C. 1, fws	New Bern
Whitenack, William F., M. E. 2, fws	Doylestown, Penna.
Whitener, Julian L. M., G. C. 1, fws	High Point
Whitley, Ernest Deans, Jr., A-Sci. 3, fws	Raleigh
Whitley, Robert Ward, A-Sci. 2, fws	Raeford
Whitley, William White, G. C. 1, fws	Burlington
Whitlock, Donald Williamson, A-Sci. 2, fw	Hopewell, Va.
Whitney, Paul Eugene, A-Sci. 4, fws	Chapel Hill
Whitney, Vincent Heath, A-Sci. 4, fw	Wakefield, Mass.
Whittaker, Otto Nelson, Jr., G. C. 1, fws	Bluefield, W. Va.
Wiggins, John Carroll, Jr., A-Sci. 3, fws	Winston-Salem
Wiggs, John Hayden, Law 1, f	Selma
Wilburn, James Melvin, C. 3, fws	Lillington
Wildey, Jack Harold, A-Sci. 3, fws	Asheville
Wildman, Raymond Joseph, G. C. 1, fws	Parmele
Wilhelm, Charles Leo, Law 2, fs A.B., 1934, Duke University	Salisbury
Wilkerson, Annie Louise, Med. 2, fws	Raleigh
Wilkins, Clarence Edwin, Jr., A-Sci. 3, fws	Goldsboro
Wilkins, Louis George, G. C. 1, fws	Edenton
Wilkins, Raymond Harrell, Ph. 2, f	Columbia
Wilkins, Robert Sherwood, G. C. 1, fws	Wilson
Wilkins, Sam Austell, Jr., Med. 2, fws A.B., 1934	Dallas
Wilkins, William Yarboro, C. 3, fws	Tryon
Willard, William Bayley, A-Sci. 3, fws	Doylestown, Penna.
Williams, Audrey Lillian, A-Sci. 2, fws	Chapel Hill
Williams, Franklin Simmons, G. C. 1, fws	Polloksville
Williams, George Melvin, Jr., G. C. 1, fws	Elizabeth City
Williams, Giles McIntosh, A-Sci. 3, fws	Fletcher
Williams, Guy Robert, G. C. 1, f	Spindale
Williams, Harold Guy, G. C. 1, fws	Charlotte
Williams, John Hugh, Law 2, fs A.B., 1934, Guilford Coll.	Concord
Williams, Jacob Meyer, Ch. E. 2, fws	Hendersonville
Williams, Margaret Elizabeth, A-Sci. 2, fws	Richlands
Williams, Peter Pescud, C. 4, fws	Raleigh
Williams, Robert Ecker, C. 3, fws	Wilson
Williams, Robert Ransom, Jr., A-Sci. 3, fws	Asheville
Williams, Ray Wyatt, G. C. 1, fws	Winston-Salem
Williams, Raymond Willard, G. C. 1, fws	Hamlet
Williams, Staton Pender, Law 2, fs A.B., 1931, Duke University	Robersonville

Williams, Thomas Allen, Jr., C. 3, fw	Raleigh
Williams, Vernon C., Jr., C. 4, fws	Mebane
Williams, Woodburn Carlyle, A-Sci. 2, fws	Swan Quarter
Williams, Woodrow Wade, G. C. 1, fws	Asheville
Williamson, Edgar Allen, Jr., G. C. 1, fws	Durham
Williamson, Harry Webb, C. 4, fw	High Point
Williamson, James Bernard, Jr., G. C. 1, fws	Wilmington
Williamson, Wilbur Monroe, G. C. 1, ws	Parkton
Willingham, Benjamin Joseph, E. E. 3, fws	Wrightsville Beach
Willingham, Edward Glenn, E. E. 2, fws	Wilmington
Willingham, Francis Fries, C. 4, fws	Winston-Salem
Willis, Benjamin Sheppard, A-Sci. 4, fws	Winston-Salem
Willis, Mary Frances, C. spec., fws	Rocky Mount
Willis, Thurston Alfred, G. C. 1, f	Atlanta, Ga.
Willis, Thomas Grace, Jr., G. C. 1, fws	Washington
Willner, Milton Smith, G. C. 1, fws	Brooklyn, N. Y.
Willoughby, Inez, A-Sci. spec., fws	Ahoskie
Wilson, George Wayland, C. 2, fws	Newton Grove
Wilson, Hofmann, G. C. 1, fws	Baltimore, Md.
Wilson, Hugh MacLean, A-Sci. 4, f	Haverford, Penna.
Wilson, James Preston, A-Sci. 2, f	Wilmington
Wilson, Peter Thomas, G. C. 1, fws	Winston-Salem
Wilson, Robert North, Jr., Med. 2, fws	Durham
B.S., 1934, Duke University	
Wilson, Samuel Paul, A-Sci. 4, f	New Haven, Conn.
Wilson, Theodore N., G. C. 1, fws	Ramseur
Wilson, Thomas, III, A-Sci. 3, fws	Charleston, S. C.
Winborne, John Wallace, Jr., G. C. 1, fws	Marion
Winborne, Vaughan Sharp, G. C. 1, fws	Raleigh
Windley, David Frederick, A-Sci. 3, f	Wilmington
Winget, Arthur Knox, Jr., A-Sci. 2, ws	Albemarle
Wingfield, Alvin, G. C. 1, fws	Charlotte
Winkler, Bertram Monroe, A-Sci. 2, fws	New York, N. Y.
Winslow, Miles Tucker, A-Sci. 3, fws	New York, N. Y.
Winstead, Ida, A-Sci. 3, fws	Roxboro
Winstead, Kinsey Giles, Jr., A-Sci. 2, s	Wilson
Winstead, Maurice Burton, Med. 1, fws	Pinetown
Winstead, Suzanne Barden, A-Sci. 4, fw	Roxboro
Winston, Carolyn, A-Sci. 3, fws	Chapel Hill
Winters, Jerome Lester, C. 2, fws	Rockaway Park, N. Y.
Wise, Emile, G. C. 1, fw	Montgomery, Ala.
Wishney, David, A-Sci. 2, fws	Brooklyn, N. Y.
Wismer, Lawrence Howard, A-Sci. 3, fws	Hillsboro, Oregon
Witherington, Ben, Jr., C. 3, fw	Goldsboro
Withers, John Pescud, Ch. E. 4, fws	Raleigh
Withrow, Charles Kenyon, A-Sci. 3, ws	Hollis
Wolfe, Carl Bagley, A-Sci. 2, fw	Greensboro

Wolfe, Eugene Paul, A-Sci. 2, fws	Elkin
Woltz, John Henry Early, A-Sci. 2, fws	Gastonia
Womble, William Hugh, Jr., A-Sci. 3, f	Greensboro
Wood, David Moses, Jr., G. C. 1, fws	Four Oaks
Woodard, Barney Paul, Ph. 3, fws	Princeton
Woodard, Ernest Vanderbilt, Jr., G. C. 1, fws	Selma
Woodard, John Vernon, Ph. 4, f	Princeton
Woodard, Lillian Louise, A-Sci. 4, w	Selma
Woodard, William Coleman, Jr., C. 2, f	Rocky Mount
Woodburn, Clard Harold, Med. 1, fws	Brown's Summit
Woodbury, Charles Samuel, A-Sci. 4, fws	Salem Center, N. H.
Woods, Philip Hugh, M. E. 2, fws	Hillsboro
Woodson, James Leake, G. C. 1, fws	Salisbury
Woody, Mundie Eugene, Jr., A-Sci. 2, fws	Bessemer City
Woollen, William Stone, M. E. 3, f	Chapel Hill
Wooten, Harry Cobb, Jr., C. 2, fws	Kinston
Wooten, Jesse Wade, A-Sci. 2, f	Yadkinville
Wooten, William Harvey, A-Sci. 3, ws	Kinston
Worley, Bland Wallace, Jr., C. 2, fws	Kinston
Worley, Eleanor Ruth, L. S., fws A.B., 1935, Woman's Coll.	Kinston
Worsley, Thomas Luther, Jr., Med. 1, fws	Rocky Mount
Worsley, William Rufus, Jr., C. spec., fws	Tarboro
Worth, William Holladay, G. C. 1, fws	Raleigh
Worthington, Ralph, III, G. C. 1, fws	Washington, D. C.
Wren, Agnes, L. S., s	Charlotte
Wren, James Clay, Med. 1, fw A.B., 1935, Duke University	Siler City
Wrenn, Elmer Alexander, C. 3, fws	Greensboro
Wrenn, Franklin Lafayette, C. 3, fws	Siler City
Wrenn, James Speight, Jr., G. C. 1, fws	Siler City
Wrey, William James, G. C. 1, fws	Bronx, N. Y.
Wright, Charlotte Lane, A-Sci. 3, fws	Raleigh
Wright, Elizabeth Wallis, A-Sci. 4, fws	Chapel Hill
Wright, Henry, A-Sci. 3, fws	Ingold
Wright, Irene Gilliam, A-Sci. 3, fws	Asheville
Wright, James Irby, C. 3, s	Chapel Hill
Wright, James Rhodes, A-Sci. 3, fws	Raleigh
Wright, Samuel, Ph. 1, fws	Lawndale
Wyant, Christian Whitfield, Law 1, f; A-Sci. 4, s	Sharon, Penna
Wyant, Martha Saunders, A-Sci. 3, fws	Sharon, Penna
Wyche, Benjamin, Jr., A-Sci. 3, fws	Charlotte
Yancey, William Finlator, G. C. 1, fws	Morganton
Yandell, Billy Francis, C. 4, fws	Charlotte
Yarborough, Leroy Brooks, C. 4, fws	Jonesboro
Yarborough, Tempe Lee, A-Sci. 3, s	Louisburg

Yates, Joseph Walker, Jr., G. C. 1, fws — Wilmington
Yeager, Olin Ray, A-Sci. 4, fws — Pittsburgh, Penna.
Yeates, Rutherford Nance, G. C. 1, fws — Birmingham, Ala.
Yeatman, Harry Clay, G. C. 1, fws — Columbia, Tenn.
Yeatman, Trez Player, A-Sci. 3, fws — Ashwood, Tenn.
Yeomans, John Dawson, C. 2, fs — Washington, D. C.
Yoder, George McDowell, A-Sci. 4, fws — Newton
Yokeley, Jacob Loyd, G. C. 1, fws — Winston-Salem
Yokeley, Raymond Voight, C. 3, fws — Thomasville
York, Charles Mitchell, G. C. 1, fw — Snowdown, Ala.
Young, Frances Eileen, A-Sci. 4, fw — Durham
Young, George Lewis, A-Sci. 2, fws — Durham
Young, Joseph Rutledge, A-Sci. 2, fws — Charleston, S. C.
Young, Kenneth Wharton, Law 2, fs — Durham
B.S., 1935
Young, Margaret Virginia, L. S., fws — Petersburg, Va.
A.B., 1932, William and Mary Coll.
Younginer, Janet Irene, A-Sci. 4, fws — Asheville
Yount, Donald Lee, C. 2, fws — Reidsville
Yount, Eugene Thompson, A-Sci. 3, f — Reidsville
Yount, Eugene McDuffy, A-Sci. 2, ws — Statesville
Yount, Marshall Vivian, C. 3, fws — Hickory
Yudell, Milton Harry, A-Sci. 3, fws — Bronx, N. Y.
Zauber, Raymond Garwin, A-Sci. 2, fw — Greensboro
Zayas, José Maria, A-Sci. spec., fws — Habana, Cuba
Zerbst, George Henry, P. H. A. spec., s — Charleston, S. C.
Ziegler, Arthur William, G. C. 1, fws — Mount Airy
Zimmermann, Erika Sophia, A-Sci. 3, fws — Chapel Hill
Zink, Alvin John, E. E. 4, fws — Ballard Vale, Mass.

GENERAL ENROLLMENT SUMMARY, 1935-1936

	Men	*Women*	*Total*	*Distribution Total*
GRADUATES	200	78	278	278
UNDERGRADUATES:				
First Year	707	0	707	
Second Year	593	31	624	
Third Year	480	85	565	
Fourth Year	355	70	425	
Specials (5 in Gen. Coll. 1)	41	19	60	
Totals	2176	205	2381	2381
STUDENTS IN PHARMACY:				
First Year	41	6	47	
Second Year	28	6	34	
Third Year	21	0	21	
Fourth Year	14	1	15	
Specials	3	0	3	
Totals	107	13	120	120
STUDENTS IN LAW:				
First Year	51	0	51	
Second Year	34	0	34	
Third Year	36	0	36	
Specials	1	1	3	
Totals	122	1	123	123
STUDENTS IN MEDICINE:				
First Year	36	4	40	
Second Year	29	5	34	
Special	1	0	1	
Totals	66	9	75	75
STUDENTS IN LIBRARY SCIENCE:	6	29	35	35
PUBLIC HEALTH ADMINISTRATION SPECIALS:	55	1	56	56
GROSS TOTAL, Residence Instruction:	2732	336	3068	3068
Less Duplications	16	0	16	
Net Total, Residence Instruction	2716	336	3052	3052
STUDENTS (INDIVIDUAL REGISTRATIONS) IN THE 1935 SUMMER QUARTER:				
Graduate	199	163	362	
Undergraduate	608	326	934	
Pharmacy	17	2	19	
Library Science	4	42	46	
Law	69	0	69	
Totals	897	533	1430	
Students Registering Both Terms	232	111	343	
Net Total, Individuals	665	422	1087	
Net Total, Individuals Enrolled 1935-1936 (Sept. to June) and 1935 Summer Quarter	3381	758	4139	4139
STUDENTS IN THE EXTENSION DIVISION:				
CORRESPONDENCE:				
Degree Credit	441	83	524	
Degree and Certificate Credit	10	52	62	
Certificate Credit	44	490	534	
Non-credit	17	20	37	
Totals	512	645	1157	1157
CLASS INSTRUCTION:				
Degree Credit	10	21	31	
Degree and Certificate Credit	32	161	193	
Certificate Credit	48	592	640	
Non-Credit	0	4	4	
Totals	90	778	868	868
Grand Total, Extension Division	602	1423	2025	2025
Grand Totals, Regular Academic Year, 1935-1936, 1935 Summer Quarter, and Extension:	3983	2181	6164	6164

DISTRIBUTION OF ENROLLMENT BY DIVISIONS

ENROLLMENT DISTRIBUTION, 1935-1936, SHOWING MEN AND WOMEN IN RESIDENCE BY QUARTER, OR QUARTER COMBINATIONS, THE NUMBER SHOWN UNDER F (FALL), FOR INSTANCE, INDICATES THOSE IN RESIDENCE FOR THAT QUARTER ONLY; THE NUMBER SHOWN UNDER FW (FALL-WINTER) INDICATES THOSE IN RESIDENCE FOR THOSE QUARTERS ONLY; AND SO ON

		F			*FW*			*FWS*			*FS*			*W*			*WS*			*S*			*Total*		*Grd.*
		M	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*
G. C.	1	39	0	39	27	0	27	609	0	609	4	0	4	1	0	1	14	0	14	13	0	13	707	0	707
	Spec.	3	0	3	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	5	0	5
	Total	42	0	42	27	0	27	610	0	610	4	0	4	1	0	1	14	0	14	14	0	14	712	0	712
Arts-Sciences	2	21	4	25	22	0	22	243	23	266	4	0	4	3	0	3	10	2	12	7	0	7	310	29	339
	3	23	3	26	16	2	18	231	60	291	4	3	7	2	1	3	14	2	16	1	4	5	291	75	366
	4	16	4	20	20	9	29	153	46	199	2	1	3	3	1	4	4	2	6	2	0	2	200	63	263
	Spec.	3	1	4	2	1	3	6	9	15	0	1	1	2	1	3	3	1	4	3	2	5	19	16	35
	Total	63	12	75	60	12	72	633	138	771	10	5	15	10	3	13	31	7	38	13	6	19	820	183	1003
Commerce	2	14	0	14	17	0	17	174	2	176	4	0	4	2	0	2	10	0	10	5	0	5	226	2	228
	3	12	0	12	9	0	9	120	4	124	4	0	4	1	0	1	2	0	2	2	0	2	150	4	154
	4	10	0	10	10	0	10	84	1	85	0	0	0	0	0	0	5	0	5	1	0	1	110	1	111
	Spec.	4	0	4	0	0	0	8	1	9	0	0	0	1	0	1	1	0	1	2	0	2	16	1	17
	Total	40	0	40	36	0	36	386	8	394	8	0	8	4	0	4	18	0	18	10	0	10	502	8	510
Engineering	2	5	0	5	3	0	3	49	0	49	0	0	0	0	0	0	0	0	0	0	0	0	57	0	57
	3	8	0	8	1	0	1	26	0	26	0	0	0	0	0	0	1	0	1	1	0	1	37	0	37
	4	3	0	3	4	0	4	36	0	36	0	0	0	0	0	0	0	0	0	0	0	0	43	0	43
	Spec.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
	Total	16	0	16	8	0	8	111	0	111	0	0	0	0	0	0	1	1	2	1	0	1	137	1	138
Pharmacy	1	4	0	4	3	2	5	32	4	36	0	0	0	1	0	1	1	0	1	0	0	0	41	6	47
	2	6	0	6	0	0	0	19	5	24	2	0	2	0	0	0	0	1	1	1	0	1	28	6	34
	3	0	0	0	0	0	0	20	0	20	0	0	0	0	0	0	1	0	1	0	0	0	21	0	21
	4	2	0	2	1	0	1	11	1	12	0	0	0	0	0	0	0	0	0	0	0	0	14	1	15
	Spec.	1	0	1	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
	Total	13	0	13	4	2	6	84	10	94	2	0	2	1	0	1	2	1	3	1	0	1	107	13	120
Law	1	8	0	8	0	0	0	41	0	41	0	0	0	0	0	0	0	0	0	2	0	2	51	0	51
	2	1	0	1	0	0	0	32	0	32	0	0	0	0	0	0	0	0	0	1	0	1	34	0	34
	3	11	0	11	0	0	0	24	0	24	0	0	0	0	0	0	0	0	0	1	0	1	36	0	36
	Spec.	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
	Total	20	0	20	0	0	0	98	1	99	0	0	0	0	0	0	0	0	0	4	0	4	122	1	123
Medicine	1	1	0	1	8	0	8	26	4	30	0	0	0	0	0	0	0	0	0	1	0	1	36	4	40
	2	0	1	1	0	0	0	29	4	33	0	0	0	0	0	0	0	0	0	0	0	0	29	5	34
	Spec.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	Total	1	1	2	8	0	8	56	8	64	0	0	0	0	0	0	0	0	0	1	0	1	66	9	75
Pub. Adm.	3	0	0	0	0	0	0	2	6	8	0	0	0	0	0	0	0	0	0	0	0	0	2	6	8
	4	0	1	1	0	0	0	2	5	7	0	0	0	0	0	0	0	0	0	0	0	0	2	6	8
	Spec.	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	1	1	2
	Total	0	1	1	0	0	0	4	12	16	0	0	0	1	0	1	0	0	0	0	0	0	5	13	18
Lib. Science		0	0	0	2	1	3	4	22	26	0	0	0	0	1	1	0	2	2	0	3	3	6	29	35

	F			*FW*			*FWS*			*FS*			*W*			*WS*			*S*			*Total*		*Grd.*
	M	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*
Pub. Health Admin.....	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5	0	0	0	51	0	51	55	1	56
Graduate.....	28	12	40	9	5	14	113	38	151	9	2	11	3	0	3	18	4	22	21	16	37	200	78	278
TOTAL.....	223	26	249	154	20	174	2099	237	2336	33	7	40	24	5	29	84	15	99	116	25	141	2732	336	3068

3068—16 duplications—3,052 net.

Details of Duplications:

Law 1, F; A-S 4, WS
A-S4, FW; Grad., S
A-S 4, FW; Grad., S
Grad., FW; A-S spec., S

E.E. 2, F; A-S 2, S
Ph. 1, FW; G. C. 1, S
G. C. 1, F; Ph. 1, WS
A-S 4, F; Law 1, S

A-S 4, F; Grad., WS
A-S 4, F; Grad., WS
A-S 2, FW; Comm. 2, S
A-S 4, F; Grad., WS

A-S 4, F; Grad., WS
Law 1, F; P.H.A. spec., S
Law 1, F; Comm. spec., S
Law 1, F; A-S 4, S

ENROLLMENT BY QUARTERS, MEN (M) AND WOMEN (W), 1935-1936

		FALL			*WINTER*			*SPRING*		
		M	*W*	*Tot.*	*M*	*W*	*Tot.*	*M*	*W*	*Tot.*
Gen. College	1	679	0	679	651	0	651	640	0	640
	Spec.	4	0	4	1	0	1	2	0	2
	Total	683	0	683	652	0	652	642	0	642
Arts-Sciences	2	290	27	317	278	25	303	264	25	289
	3	274	68	342	263	65	328	250	69	319
	4	191	60	251	180	58	238	161	49	210
	Spec.	11	12	23	13	12	25	12	13	25
	Total	766	167	933	734	160	894	687	156	843
Commerce	2	209	2	211	203	2	205	193	2	195
	3	145	4	149	132	4	136	128	4	132
	4	104	1	105	99	1	100	90	1	91
	Spec.	12	1	13	10	1	11	11	1	12
	Total	470	8	478	444	8	452	422	8	430
Engineering	2	57	0	57	52	0	52	49	0	49
	3	35	0	35	28	0	28	28	0	28
	4	43	0	43	40	0	40	36	0	36
	Spec.	0	0	0	0	1	1	0	1	1
	Total	135	0	135	120	1	121	113	1	114
Pub. Admin.	3	2	6	8	2	6	8	2	6	8
	4	2	6	8	2	5	7	2	5	7
	Spec.	0	1	1	1	1	2	0	1	1
	Total	4	13	17	5	12	17	4	12	16
Pharmacy	1	39	6	45	37	6	43	33	4	37
	2	27	5	32	19	6	25	22	6	28
	3	20	0	20	21	0	21	21	0	21
	4	14	1	15	12	1	13	11	1	12
	Spec.	3	0	3	2	0	2	2	0	2
	Total	103	12	115	91	13	104	89	11	100
Law	1	49	0	49	41	0	41	43	0	43
	2	33	0	33	32	0	32	33	0	33
	3	35	0	35	24	0	24	25	0	25
	Spec.	1	1	2	1	1	2	1	1	2
	Total	118	1	119	98	1	99	102	1	103
Medicine	1	35	4	39	34	4	38	27	4	31
	2	29	5	34	29	4	33	29	4	33
	Spec.	1	0	1	1	0	1	1	0	1
	Total	65	9	74	64	8	72	57	8	65
Pub. H. Adm.		0	0	0	4	1	5	51	0	51
Lib. Science		6	23	29	6	26	32	4	27	31
Graduate		159	57	216	143	47	190	161	60	221
		2509	290	2799	2361	277	2638	2332	284	2616

ENROLLMENT, DISTRIBUTED BY STATES, FOR 1935-1936

	G. C.			Arts			Comm.			Eng'g.			Pharm.			Pub. Ad.		
	M	W	Tot.	M	W	Tot.	M	W	Tot.	M	W	Tot.	M	W	Tot.	M	W	Tot.
Alabama	6	0	6	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
Arkansas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
California	2	0	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Connecticut	10	0	10	23	0	23	1	0	1	3	0	3	0	0	0	0	0	0
Delaware	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
District of Colum.	3	0	3	6	1	7	5	0	5	2	0	2	0	0	0	0	0	0
Florida	4	0	4	5	1	6	2	0	2	0	0	0	0	0	0	0	0	0
Georgia	11	0	11	7	4	11	7	0	7	0	0	0	0	0	0	0	0	0
Illinois	2	0	2	6	3	9	4	0	4	1	0	1	0	0	0	0	0	0
Indiana	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	2	0	2	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maine	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Maryland	4	0	4	4	2	6	2	0	2	1	0	1	0	0	0	0	0	0
Massachusetts	13	0	13	15	2	17	0	0	0	2	0	2	0	0	0	0	1	1
Michigan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi	1	0	1	3	3	6	0	0	0	0	0	0	0	0	0	0	0	0
Missouri	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
Montana	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
New Jersey	32	0	32	47	5	52	10	0	10	8	0	8	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New York	80	0	80	75	7	82	33	0	33	11	0	11	3	0	3	0	0	0
North Carolina	479	0	479	561	134	695	410	8	418	100	0	100	104	13	117	5	8	13
Ohio	1	0	1	1	3	4	1	0	1	0	0	0	0	0	0	0	1	1
Oregon	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania	26	0	26	19	3	22	9	0	9	5	1	6	0	0	0	0	2	2
South Carolina	7	0	7	12	5	17	5	0	5	1	0	1	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee	5	0	5	5	1	6	4	0	4	0	0	0	0	0	0	0	0	0
Texas	1	0	1	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0
Utah	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Virginia	15	0	15	9	2	11	3	0	3	1	0	1	0	0	0	0	1	1
West Virginia	1	0	1	2	2	4	2	0	2	1	0	1	0	0	0	0	0	0
Wisconsin	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Wyoming	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Canada	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Canal Zone	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Chile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cuba	2	0	2	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Persia	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	712	0	712	820	183	1003	502	8	510	137	1	138	107	13	120	5	13	18

	Grad.			Law			Med.			L. S.			P. H. A.			Total		
	M	W	Tot.	M	W	Tot.	M	W	Tot.	M	W	Tot.	M	W	Tot.	M	W	Tot.
Alabama	2	2	4	1	0	1	0	0	0	0	0	0	0	0	0	11	2	13
Arkansas	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
California	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6
Connecticut	1	0	1	2	0	2	0	0	0	0	0	0	0	0	0	40	0	40
Delaware	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	5	0	5
Dist. of Columbia	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	18	1	19
Florida	2	2	4	0	0	0	0	0	0	0	0	0	10	0	10	23	3	26
Georgia	5	3	8	2	0	2	0	0	0	0	0	0	3	0	3	35	7	42
Illinois	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	14	3	17
Indiana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Iowa	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Kentucky	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	8	1	9
Louisiana	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	2	2
Maine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Maryland	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	13	2	15
Massachusetts	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	30	4	34
Michigan	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	2	0	2
Mississippi	2	0	2	0	0	0	0	0	0	0	1	1	0	0	0	6	4	10
Missouri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Montana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
New Hampshire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
New Jersey	4	1	5	1	0	1	3	0	3	0	0	0	0	0	0	105	6	111
New Mexico	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
New York	5	2	7	1	0	1	4	0	4	0	0	0	0	0	0	212	9	221
North Carolina	132	54	186	112	1	113	55	9	64	4	22	26	20	1	21	1982	250	2232
Ohio	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	8	4	12
Oregon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Pennsylvania	3	0	3	0	0	0	1	0	1	0	0	0	0	0	0	63	6	69
South Carolina	10	2	12	1	0	1	2	0	2	1	1	2	7	0	7	46	8	54
South Dakota	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Tennessee	5	2	7	0	0	0	0	0	0	0	0	0	0	0	0	19	3	22
Texas	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	4	2	6
Utah	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Virginia	5	3	8	0	0	0	1	0	1	0	3	3	8	0	8	42	9	51
W. Virginia	0	1	1	0	0	0	0	0	0	0	0	0	5	0	5	11	3	14
Wisconsin	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	3	0	3
Wyoming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Canada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Canal Zone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Chile	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
China	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Cuba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5
Egypt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Mexico	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Persia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Puerto Rico	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
Turkey	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Total	200	78	278	122	1	123	66	9	75	6	29	35	55	1	56	2732	336	3068

Gross total	3,068
Minus duplications	16
Net total	3,052

MARCH 20, 1936 NUMBER 304

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE ONE HUNDRED AND FORTY-SECOND SESSION

THE GENERAL COLLEGE

CATALOGUE ISSUE
1935-1936

Announcements for the Session
1936-1937

THE UNIVERSITY OF NORTH CAROLINA PRESS
ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER
ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT
CHAPEL HILL, N. C.
UNDER THE ACT OF AUGUST 24, 1912

CALENDAR FOR 1936

JANUARY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FEBRUARY

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

MARCH

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MAY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

JUNE

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JULY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

AUGUST

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

SEPTEMBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

OCTOBER

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

DECEMBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

CALENDAR FOR 1937

JANUARY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

FEBRUARY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

MARCH

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

APRIL

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

MAY

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

JUNE

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	20			

JULY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

AUGUST

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

SEPTEMBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

OCTOBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

NOVEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

DECEMBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

CATALOGUE OF EVENTS

SESSION, 1936-1937

1936

June 7-9	*Sunday through Tuesday.* Commencement Exercises.
June 11-July 22	Summer Session, First Term.
July 23-August 29	Summer Session, Second Term.
September 11-17	*Friday through Thursday.* Freshman Week and Registration.
September 14-15	*Monday and Tuesday.* Examinations to remove condition grades.
September 17	*Thursday.* Registration (all except Freshmen) for the fall quarter.
September 18	*Friday.* Class work for the fall quarter begins.
October 12	*Monday.* University Day.
November 25	*Wednesday.* Thanksgiving Recess begins (1:00 p.m.).
November 30	*Monday.* Thanksgiving Recess ends (8:30 a.m.).
December 10-19	*Thursday to 1:00 p.m. Saturday of following week.* Registration for the winter quarter.
December 15-19	*Tuesday through Saturday (1:00 p.m.)* Examinations for the fall quarter.
Dec. 19 (afternoon) *December 30*	Christmas Recess.
December 31	*Thursday.* Registration of new students.

1937

January 1	*Friday.* Class work for the winter quarter begins.
January 30	*Saturday.* First term of the School of Law ends.
February 1	*Monday.* Second term of the School of Law begins.
March 5-13	*Friday to 1:00 p.m. Saturday of following week.* Registration for the spring quarter.
March 9-13	*Tuesday through Saturday (1:00 p.m.).* Examinations for the winter quarter.
March 15	*Monday.* Registration of new students.
March 16	*Tuesday.* Class work for the spring quarter begins.
April 11-18	*Sunday through Sunday.* Spring Recess.
May 31-June 4	*Monday through Friday.* Examinations for the spring quarter.
June 6-8	*Sunday through Tuesday.* Commencement Exercises.

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OFFICERS OF ADMINISTRATION

THE CONSOLIDATED UNIVERSITY

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President.*
Charles Thomas Woollen, *Controller.*

THE UNIVERSITY

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President of the Consolidated University.*
Charles Thomas Woollen, *Controller of the Consolidated University.*
Robert Burton House, A.M., *Dean of Administration.*
Livingston Bertram Rogerson, *Assistant Controller.*
Allan Wilson Hobbs, Ph.D., *Chairman of the Faculty.*
Thomas James Wilson, Jr., Ph.D., *Dean of Admissions, Registrar, and Secretary of the Faculty.*
Robert Bingham Downs, M.S., *Librarian.*
Francis Foster Bradshaw, Ph.D., *Dean of Students.*
Mrs. Marvin Hendrix Stacy, *Adviser to Women.*
Robert Allison Fetzer, B.S., M.A., *Director of Athletics.*
Julius Algernon Warren, *Treasurer and Bursar.*
Ben Husbands, A.B., *Associate Registrar.*
George Kenneth Grant Henry, Ph.D., *Assistant Registrar.*
Matt Lee Thompson, S.B.Comm., *Auditor.*

THE COLLEGE AND THE SCHOOLS

Allan Wilson Hobbs, Ph.D., *Dean of the College of Arts and Sciences.*
William Whatley Pierson, Ph.D., *Dean of the Graduate School.*
Maurice Taylor Van Hecke, J.D., *Dean of the School of Law.*
Charles Staples Mangum, A.B., M.D., *Dean of the School of Medicine.*
John Grover Beard, Ph.G., Ph.M., *Dean of the School of Pharmacy.*
*Herman Glenn Baity, Sc.D., *Dean of the School of Engineering.*
Dudley DeWitt Carroll, M.A., *Dean of the School of Commerce.*
Corydon Perry Spruill, Jr., A.B., B.Litt. (Oxon.), *Dean of the General College.*
Susan Grey Akers, Ph.D., *Director of the School of Library Science.*

THE EXTENSION DIVISION

Russell Marvin Grumman, B.H., *Director.*
Edgar Ralph Rankin, A.M., *Head, Department of School Relations.*
William John McKee, C.E., Ph.D., *Head, Department of In-Service Teacher Training.*

* Absent on leave 1935-1936 in Federal Administrative Work; his place is supplied by Professor William Jasper Miller as Acting-Dean.

PHYSICAL EDUCATION FOR MEN

THE GYMNASIUM

ROBERT BAKER LAWSON, M.D., *Director.*
JAMES ACRA HACKNEY, JR., *Secretary.*
EMERY ELISHA RAPER, *Assistant.*

PHYSICAL EDUCATION FOR WOMEN

GLADYS ANGEL BEARD, M.A., *Director.*

THE INFIRMARY

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EDWARD MCGOWAN HEDGPETH, A.B., M.D., *Assistant University Physician.*
FAY CHOATE, *Registered Nurse.*
MARGARET MCKEE, *Registered Nurse.*
CARTER RIDDLE, *Registered Nurse.*
RUTH BARNES, *Technician.*

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

HARRY FULCHER COMER, M.A., *General Secretary.*
EDWIN SIDNEY LANIER, *Self-Helf Secretary.*
HELEN LOUISE HODGES, A.B., *Office Secretary.*

THE UNIVERSITY

FOUNDATION AND GOVERNMENT

The University was established in obedience to the first Constitution of the State, which was adopted in December, 1776. A clause of section XLI declared that "all useful learning shall be duly encouraged and promoted in one or more universities." The charter was granted by the General Assembly in 1789, the cornerstone of the Old East Building was laid in 1793, and the University was opened in January, 1795.

By the Constitution adopted in 1868 the General Assembly has "power to provide for the election of Trustees of the University of North Carolina, in whom, when chosen, shall be vested all the privileges, rights, franchises and endowments thereof in anywise granted to or conferred upon the trustees of said University; and the General Assembly may make such provisions, laws and regulations, from time to time, as may be necessary and expedient for the maintenance and management of said University." The Governor of the State is *ex officio* President of the Board of Trustees.

The same Constitution, in connection with "Benefits of the University," further states: The General Assembly shall provide that the benefits of the University, as far as practicable, be extended to the youth of the State free of expense for tuition; also, that all the property which has heretofore accrued to the State, or shall hereafter accrue, from escheats, unclaimed dividends, or distributive shares of the estates of deceased persons, shall be appropriated to the use of the University.

There is also a Division of Extension through which the services of the University Faculty and certain material equipment of the University are made available to the people of the State generally.

ADMISSION TO THE GENERAL COLLEGE

By order of the Board of Trustees women are not eligible for admission to the General College.

AGE: All applicants for admission to the General College must be sixteen years of age by or before the actual date of their first registration.

CHARACTER: All applicants for admission to the University, including of course the General College, are required to furnish satisfactory evidence of good character as a prerequisite to consideration for admission.

HEALTH: All General College registrants are required to report to the University physician for a physical examination immediately before, during, or immediately after the period of their first registration.

Trustee regulations make it mandatory that all matriculates satisfy the University physician that they have been successfully vaccinated against smallpox. Those unable to furnish such evidence, or who have never been vaccinated at all, will be vaccinated here. Since a smallpox vaccination sometimes disrupts one's normal activities for several days, it is highly desirable from the applicant's standpoint that this detail be attended to before he presents himself for registration.

Admission to Freshman Standing

BY CERTIFICATE: Formal application for admission to freshman standing, which is generally understood to mean candidacy for a baccalaureate degree, is made by submitting 1) personal data called for on an application form and 2) a satisfactory statement of high or preparatory school achievement. Such a statement is expected to show 1) the completion of an accredited four-year high or preparatory school course, or its equivalent, which ordinarily means graduation; 2) fifteen units acceptable to us, including our minimal requirements as outlined below; and 3) that the applicant has attained the certifying average of the school last attended. Application-for-admission blanks may be secured by writing the Associate Registrar (Box 588, Chapel Hill, N. C.) who, upon approving one's application, will undertake to secure directly from the proper official of the school graduating the applicant an appropriate certification of the applicant's record. Satisfactory evidence of one's eligibility for admission should be in the hands of the designated official at least fifteen days before the opening of the quarter in which it is desired to enroll.

Summary of Admission Units

The fifteen-unit minimum offered for admission should include the following *required* distribution, except as may be provided for in the explanatory notes appearing immediately after the section headed *Admission by Examination:*

English (four years)	4	units
Algebra (one and one-half years)	1½	units
Plane Geometry (one year)	1	unit
Foreign Language (two years in *one* language)	2	units
Social Science (one year)	1	unit
Natural Science (one year)	1	unit
Electives	4½	units

ELECTIVES: It is strongly urged and recommended that elective units be made up from the fields of mathematics (second-year algebra for a full year, solid geometry for a half year, and plane trigonometry for a half year), social science (ancient history, mediaeval and modern history, modern history, English history, American history, American history and civics as a combination, civics, sociology, and economics), foreign language (Spanish, German, French, Latin, and Greek, with not fewer than two units in any one), and science with full laboratory

(chemistry, physics, biology, botany, zoölogy, geology, physiography, and general science). One unit is allowed for a full year's work in any one of the named sciences, provided lectures or recitations *and* laboratory work are involved; if no laboratory work is included, any one of the named sciences, taken for a full year, carries only a half unit credit. *A credit of less than a half unit will not be allowed in any subject.*

In addition to credits from the fields specified immediately above, an applicant may offer subjects that are vocational in nature. Ordinarily no more than three units in vocational work may be credited; but the officer of admissions may, in his discretion, allow credit to the extent of four vocational units. It must in every instance be evident that such credits have been counted towards the high or preparatory school diploma. The officer of admissions has been granted discretionary authority to determine what may or may not be acceptable.

For certain curricula the requirement in foreign language is more precise than may be apparent from the statements made above. The courses of study leading to the following degrees require the language indicated: S.B. in Commerce and S.B. in Geology, Spanish or German or French; S.B. in Medicine, German or French; S.B. in Chemistry and S.B. in Physics, German. It should be remembered that the *general entrance requirement* in foreign language may be satisfied by a two-unit offering in Latin or Greek, but that at the beginning of a student's first year in residence he will be required to take up that language which is appropriate for the study program of his junior and senior years. No degree credit will be allowed for the elementary part of the foreign language chosen.

Although no applicant will be admitted on certificate with fewer than fifteen acceptable units, the officer of admissions will, in general, be primarily concerned with substantial evidences of a serious, well-defined purpose on the part of the applicant and with his apparent ability and determination to utilize effectively the educational and cultural opportunities available to all at the University.

The right to reject the application of any applicant who ranked in the lowest quarter of his high or preparatory school graduating class is reserved. This right will be exercised unless the applicant is able to offer weighty evidence tending to prove that there is a strong probability of academic success in the General College.

Provision is made for students who present credits in excess of the fifteen required units to take substantiating examinations for advanced standing in whatever subjects the Dean of the General College may deem advisable. This opportunity is open to those who have taken in high or preparatory school work over and above the minimal entrance requirements, which is approximately equivalent to some of the freshman-year program in the General College. The passing of such examinations will enable the student to take during his first year the next course in the subject on which he is examined or to take other subjects

not ordinarily pursued by freshmen. Formal application for examinations of this sort should be made to the Dean of the General College sufficiently far in advance of the date of registration to enable him to arrange for the examinations. For this purpose, fifteen days' notice suffices. No charge is made for these examinations.

ADMISSION BY EXAMINATION: Persons desiring admission to the General College who are unable to offer satisfactory evidence of eligibility on the basis of a certificate from an accredited school may qualify for admission by passing our entrance examinations. The tests used for this purpose are designed to determine the examinee's ability in general and his fitness for college work. The form of the examination actually used is comparable to the tests of college aptitude and subject matter achievement furnished by the American Council on Education.

Entrance examinations are held on the first Saturday in June and may be arranged for on request immediately before the opening of the fall, winter, and spring quarters. As a rule these examinations may be completed within one day, the results tabulated, and a determination of the examinee's success or failure made and announced. Sample copies of previously given examinations are not available for distribution. A fee of one dollar is charged each person taking the entrance examination, which fee is not refundable.

Applicants seeking admission to the General College on the basis of preparation secured under the supervision of private tutors must in every instance qualify on the basis of our entrance examination. Certificates attesting to one's preparation in this wise are not *per se* acceptable.

The University is coöperating with the Commission on the Relation of School and College of the Progressive Education Association. During the course of the eight-year experiment being conducted by that Commission, students recommended by member schools will be accepted for admission to the General College without regard to other entrance requirements.

EXPLANATORY NOTES: (1) Algebra: An applicant who offers only one unit in algebra but who otherwise qualifies for admission may absolve himself from the deficiency in any one of three ways: a) he may take our Freshman Mathematics and, if he passes on the first trial, the deficiency is automatically removed; or b) he may secure intermediate algebra by attending the University's demonstration high school during the first term of the summer session (see Summer Session Announcements, separate bulletin); or c) he may, with or without the aid of a private tutor, prepare for a special examination during his first year in residence, to be taken under the supervision of our Department of Mathematics. (2) Plane Geometry: An applicant who is unable to offer the required unit in plane geometry may, if he otherwise qualifies for admission, remove the deficiency in either of two ways: a) he may secure plane geometry by attending the University's demonstration high school during the first term of the summer session

(see Summer Session Announcements, separate bulletin); or b) he may, with or without the aid of a private tutor, prepare for an examination during his first year in residence, to be taken under the supervision of our Department of Mathematics. (3) Foreign Language: An applicant who otherwise qualifies for admission but who is unable to meet the requirement in foreign language may remove the deficiency by taking, and passing satisfactorily, the elementary part of Spanish or German or French or Latin or Greek. These subjects are given during the regular academic year, September to June, and, except for Greek, during the summer session. Generally speaking, one unit in foreign language will not be counted towards the fifteen unit total required to be offered. Since all our undergraduate curricula presuppose admission without deficiencies, it is very desirable that applicants with deficiencies seek to clear these during the summer immediately preceding the fall opening at which they expect to matriculate. *All entrance deficiencies must be removed before registration for one's fourth quarter in residence,* not counting the summer session.

Admission to Advanced Standing in the General College

Persons seeking admission to the General College on the basis of work of college or university grade taken elsewhere are required to present for review and examination properly certified statements covering such work. Such transcriptions of record should be in hand at least fifteen days before the opening of the quarter in which the applicant desires to enroll. Formal application for admission must be made, and blanks for this purpose may be secured by writing the Associate Registrar (Box 588, Chapel Hill, N. C.). Each transcript of record will be evaluated in terms of our General College requirements, and credits allowed may or may not be approximately equivalent quantitatively to the total secured in terms of the curriculum pursued at the college or university from which the applicant seeks to transfer. No credit is allowed for work done at non-standard or non-accredited colleges and universities unless a substantiating examination in each subject for which credit is sought is passed. These examinations must be taken here.

The right is reserved to reject wholly or in part any record submitted in support of an application for admission with advanced standing and to require a validating examination in any or all of the subjects for which credit is desired. Applicants who have failed to maintain a satisfactory scholarship record as distinguished from a record which is poor, or barely passing, or who, for any reason whatsoever, are ineligible to continue in the institution from which they seek to transfer are advised not to seek admission on any basis to the General College. We do not disregard at any time or under any conditions college or university records in order to admit applicants solely on the basis of their high or preparatory school records. It will be considered a flagrant violation of the honor code if any applicant

makes a false statement in his application for admission with reference to previous college or university attendance in order to gain admission on the basis of a high or preparatory school record.

Applicants from outside of North Carolina, *i.e.*, non-residents of North Carolina, may be required to supplement their applications and certificates or transcripts by a personal interview with a representative of the University, the time and place being arranged upon request from interested persons.

The University is not an accrediting agency. It accepts the accreditation of the North Carolina State Department of Education insofar as high and preparatory schools and colleges, junior or four-year institutions, are concerned. Outside of North Carolina, the University depends upon the accreditation of the departments of education of the various states, upon the accreditation of state universities or institutions of comparable rank, and upon the accreditation of regional accrediting agencies.

GUIDANCE OF STUDENTS IN THE UNIVERSITY

The University conceives education to be directed toward the best development of each individual. Since no two persons have exactly the same powers and potentialities it follows that no two students can profit equally by the same educational experiences. The University accordingly seeks to study each student in terms of his own background of experience and his own potentialities of interest, ability, and cultural needs.

Before admission of the student the University obtains from him and his school principal pertinent information concerning the applicant's personal history. This information is made the basis for a cumulative personnel record of each student. To it are added placement test scores, results of physical examination, grades on courses, record of activities, etc. This record is in the hands of the General College Adviser from the time the applicant is accepted until he completes the General College course. Then the student and the record go together to the departmental adviser according to the major field of study chosen. Finally this record is available for vocational guidance and for inspection by prospective employers.

In this way the University is making every effort to deal with each student from admission to graduation as an individual personality about whom a definitely responsible adviser always has the needed information. In using this information the personal interest and experience of the adviser may be supplemented in case of special need by members of the General Administration competent in such special fields as health, financial aid, vocational guidance, mental hygiene, and religious and moral problems.

Because the abrupt transition from the intimate supervision of home life to the greater freedom of campus living creates special difficulties for the freshman, the University is making an added provision for daily contact between individual freshmen and a mature and interested upperclassman or graduate. Twenty-six such resident adviserships have already been established in four dormitories and two fraternities. These resident advisers are carefully chosen, receive a small stipend from the University, and work in close coöperation with the General College staff in their personal contacts with the freshmen for whom they are responsible.

THE GENERAL COLLEGE

OFFICERS OF ADMINISTRATION

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President of the Consolidated University.*

Robert Burton House, A.M., *Dean of Administration.*

Corydon Perry Spruill, Jr., A.B., B.Litt. (Oxon.), *Dean.*

THE COMMITTEE OF ADVISERS IN THE GENERAL COLLEGE

Stephen Albert Emery, Ph.D., *Associate Professor of Philosophy.*

Michael Arendell Hill, Jr., A.M., *Associate Professor of Mathematics.*

Ernest Lloyd Mackie, Ph.D., *Professor of Mathematics.*

Harry Kitsun Russell, Ph.D., *Assistant Professor of English.*

Corydon Perry Spruill, Jr., A.B., B.Litt. (Oxon.), *Professor of Economics.*

Henry Roland Totten, Ph.D., *Professor of Botany.*

William Leon Wiley, Ph.D., *Associate Professor of French.*

During his first two years in the University at Chapel Hill every student is a member of the General College unless he enters the School of Pharmacy. The studies in the General College are intended: (1) to offer an experience in a sufficient variety of basic and liberal subjects to constitute the foundations of that general education which is regarded as essential to balanced development and intelligent citizenship, (2) to supply opportunities for the discovery of intellectual interests and occupational aptitudes, and (3) to provide preparation for later collegiate or professional training. These studies are, specifically, English composition and literature, a foreign language, natural science, and social science for two years, mathematics or Latin or Greek for one year, and one other prescribed or elective subject for one year. The options within these requirements appear below in the summaries of the several programs. The student thus takes certain courses basic to all programs of study and in addition chooses other courses in anticipation of advanced work in special fields or because of other personal considerations. If he knows what his later program of study is to be he can in nearly all cases choose a subject in that field as part of his work in the General College. If he does not know what his program is to be he may take the general program leading to the degree in Liberal Arts or in Commerce with the assurance that he can reach a decision during his undergraduate career and make necessary changes with a minimum loss of time.

The members of the General College are of four distinguishable but overlapping types: (1) Those who will proceed to the usual academic degrees at the end of four years, (2) Those who will enter professional schools after three or four years, (3) Those who are preparing for *teaching or scientific investigation or both, (4) Those who will take less than a complete academic program. Through the Advisers the General College attempts to assist each student in appraising his qualifications and objectives and, within the limits set by its standards and resources, undertakes to adapt its offerings to his interests and needs. Thus a deficiency in a foreign language may be overcome by taking the elementary course which meets six times a week. In the converse case of mastery in preparatory school or otherwise of work offered in college, the student is encouraged to meet the collegiate requirement by examination. Those who have responsibilities which limit the time available for studies are allowed to take less than the normal academic program. Those who attain distinction in the normal registration are permitted to take additional courses so as to enable them to enrich their programs or to graduate at an earlier date. By such means the College encourages each student to start with the work which he is prepared to do and to go forward with it in the way that is most appropriate in his individual case.

Upon satisfactory completion of the work of the General College, the student will normally enter one of the divisions of the University which administer the curricula of the junior and senior years. *The College of Arts and Sciences* offers curricula in (1) the usual liberal arts subjects, (2) teacher-training, (3) journalism, (4) music, (5) chemistry, geology, physics, and medicine (each with its special Bachelor of Science degree), and (6) pre-law, pre-medical, and pre-dental programs with and without the A.B. degree. *The School of Commerce* presents curricula preparatory for the various careers in (1) business, (2) foreign trade and the consular service, and (3) law. *The School of Public Administration* undertakes to provide training for the public services, federal, state, local, and institutional. This School will receive students after they have completed any of the programs of study offered by the General College except those directed toward the degrees in natural science.

With a view to the most effective preparation of those who will proceed to degrees through the curricula just enumerated, the General College offers programs of study as follows:

* Anyone who plans to prepare for teaching should immediately consult with the Head of the Department of Education.

BACHELOR OF ARTS

Freshman Year

Required: English 1-2-3; Social Science 1-2-3; Hygiene 1-2-3

Choose one: Mathematics 1-2-3; *Greek 11-12-13; *Latin 11-12-13

Choose one: Biology 1-2-3; Chemistry 1-2-3; Physics 1-2-3; Geology 11-12-13

Choose one: *French 11-12-13; *German 11-12-13; *Greek 11-12-13; *Latin 11-12-13; *Spanish 11-12-13

Sophomore Year

Required: English 21-22-23; Foreign Language 21-22-23 (Continuing the one chosen in the first year).

Choose one: Economics 21-22-23; Political Science 31-32-33; History 21-22-23; History 44-45-46; Philosophy 21-22-23; Philosophy 24-25-26; Sociology 21-22-23

Choose one: Botany 41 and Zoölogy 41; Botany 41 and 43; Chemistry 1-2-3 or 4-5, or 31 and 41; Geology 11-12-13; Physics 21-22-23; Mathematics 21-22-23; Psychology 21-22-23; Zoölogy 41 and 42

In addition choose one free elective—3 hours a week for the year.

BACHELOR OF SCIENCE IN COMMERCE

Freshman Year

Required: Biology 1-2-3c; English 1-2-3; Social Science 1-2-3; Mathematics 1c-2c-3c; Hygiene 1-2-3

Choose one: *French 11-12-13; *German 11-12-13; *Spanish 11-12-13

Sophomore Year

Required: English 21-22-23; Economics 21-22-23; **Economics 11 or 35

Continue one: French 21, 24, 25; Spanish 21, 24-25; German 21-22-23

Choose one: Botany 41, 43; Chemistry 1-2-3; Geology 11-12-13; Physics 21-22-23; Zoölogy 41-42

BACHELOR OF SCIENCE IN CHEMISTRY

Freshman Year

Chemistry 1-2-3
English 1-2-3
†German 11-12-13
Mathematics 1-2-3
Social Science 1-2-3
Hygiene 1-2-3

* Lacking adequate preparation, the student must take courses 1-2-3 in any foreign language.

** Either Economics 11 or Economics 35 must be taken in the sophomore year; the other must be taken as part of the divisional work of the junior-senior years.

† Scientific German may be substituted for 13. Lacking adequate preparation the student must take German 1-2-3.

Sophomore Year

Chemistry 31-41-42
English 21-22-23
German 21-22-23
Mathematics 11-12-13

BACHELOR OF SCIENCE IN GEOLOGY

Freshman Year

Required: Chemistry 1-2-3; English 1-2-3; Mathematics 1-2-3; Social Science 1-2-3; Hygiene 1-2-3

Choose one: *French 11-12-13; *German 11-12-13**; *Spanish 11-12-13

Sophomore Year

Chemistry 31
English 21-22-23
Geology 11-12-13
Geology 43-44
Mathematics 41-42-43

BACHELOR OF SCIENCE IN PHYSICS

Freshman Year

Chemistry 1-2-3
English 1-2-3
*German 11-12-13**
Mathematics 1-2-3
Social Science 1-2-3
Hygiene 1-2-3

Sophomore Year

Required: English 21-22-23; Mathematics 31-32-33; German 21-22-23

Choose one: ***Physics 21-22-23 or Physics 24-25 and Chemistry 31

BACHELOR OF SCIENCE IN MEDICINE

Freshman Year

Required: English 1-2-3; Chemistry 1-2-3; Mathematics 1-2-3; Social Science 1-2-3; Hygiene 1-2-3

Choose one: *French 11-12-13; *German 11-12-13

Sophomore Year

Required: English 21-22-23

Continue one: French 21-22-23; German 21-22-23

Choose one group: Chemistry 31 and 42; Botany 41 and Zoölogy 41-42

†Elective 5 or 6 hours.

NOTE: In order to complete the academic part of this curriculum, the student must complete the third year's work including the courses not chosen in the group of sciences just above.

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* Lacking adequate preparation, the student must take courses 1-2-3 in any foreign language.

** Scientific German may be substituted for 13.

*** If Physics 21-22-23 is chosen the student must take an elective course of three hours a week through the year.

† It is suggested that this elective be Philosophy 41 or in history or political science.

DEPARTMENTS OF INSTRUCTION

BOTANY

1. (Biology 1). ELEMENTS OF PLANT BIOLOGY. (4). Freshman elective.

An introduction to the structure and activities of the green plant, with some consideration of the plant's relation to its environment, both inorganic and organic, and a survey of types of plants. *Three lecture and two laboratory hours a week, fall or winter quarter. Laboratory fee, $2.00.* Professor Couch; Mr. Adams; Assistants.

2. (Biology 2). ELEMENTS OF ANIMAL BIOLOGY. (4). See Department of Zoölogy.

3. (Biology 3). HUMAN BIOLOGY. (4). Freshman elective.

A brief consideration of the structure and functions of the human body; microörganisms and disease; evolution—plant, animal, and human; genetics; plant and animal breeding. *Three lecture and two laboratory hours a week, spring quarter. Laboratory fee, $2.00.* Offered jointly by the Departments of Botany and Zoölogy. Professors Couch, Costello; Mr. Adams; Assistants.

41. GENERAL BOTANY. (6).

An introduction to the structure and classification of plants. Lectures with laboratory and field work. *Four lecture and four laboratory or field trip hours a week, fall or spring quarter. Laboratory fee, $4.00.* Professors Coker, Totten, Couch; Assistants.

(This course is given in the first term of the Summer Session as Botany s41.)

42. PHARMACEUTICAL BOTANY AND PHARMACOGNOSY. (6). Prerequisite, General Botany. Sophomore requirement in the School of Pharmacy; elective for candidates for Bachelor of Science; in case of candidates for Bachelor of Arts credit is restricted to students preparing to study medicine and those whose major is to be botany.

A study of drug plants; the structure of their parts and contents; the localization and identification of crystals, starches, mucilages, gums, oils, resins, glucosides, alkaloids, etc.; macroscopical and microscopical study and identification of crude drugs and their adulterants and some study and identification of their powders. *Three lecture and six laboratory hours a week, winter quarter. Laboratory fee, $4.00.* Professor Totten; Assistants.

43. STRUCTURE AND CLASSIFICATION OF SEED PLANTS. (6). Prerequisite, General Botany.

A continuation of general botany, with more advanced work in the structure and classification of seed plants. Special attention is given to the study of the local flora, and of the introduced ornamental plants found in the Arboretum, with some work in the propagation of cultivated plants. *Three lecture and six laboratory or field trip hours a week, spring quarter. Laboratory fee, $4.00.* Professor Totten.

(This course is given in the second term of the Summer Session as Botany s43.)

CHEMISTRY

1-2-3. GENERAL DESCRIPTIVE CHEMISTRY. (12)

An introduction to the study of the principal non-metallic and metallic elements and their compounds. Lectures with laboratory work. *Three lecture and two laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $3.00 a quarter.* Professor Mack; Messrs. Bartz, Tanner.

4-5. GENERAL DESCRIPTIVE CHEMISTRY. (12)

An introduction to the study of the principal non-metallic and metallic elements and their compounds. This course is equivalent to Chemistry 1-2-3. *Five lecture and three laboratory hours a week, fall and winter or winter and spring quarters. Laboratory fee, $4.50 a quarter.* Professors Mack, Cameron, Edmister; Messrs. Cosby, Culp, Everett, Galloway, Taylor.

31. QUALITATIVE ANALYSIS. (6). Prerequisite, Chemistry 1-2-3 or 4-5.

Laboratory work and lectures. *Three lecture and six laboratory hours a week, fall or spring quarter. Laboratory fee, $10.00.* Professors Dobbins, Markham; Messrs. Fore, Knight.

41. ELEMENTARY QUANTITATIVE ANALYSIS. (6). Prerequisite, Chemistry 31.

Gravimetric Analysis. Laboratory work, lectures, and stoichiometric exercises. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Professor Dobbins; Mr. Nicholson, Miss Thomas.

42. ELEMENTARY QUANTITATIVE ANALYSIS. (6). Prerequisite, Chemistry 31.

Volumetric Analysis. Laboratory work, lectures, and stoichiometric exercises. *Three lecture and six laboratory hours a week, winter or spring quarter. Laboratory fee, $10.00.* Professors Dobbin, Markham; Mr. Nicholson, Miss Thomas.

CLASSICAL LANGUAGES

Greek

1-2-3. ELEMENTARY AND INTERMEDIATE GREEK. (9).

A course running through three quarters, designed for beginners and for those whose preparation is not sufficient to qualify them for Intermediate Greek (11-12-13). *Six hours a week, through the year.* Professor Bernard.

Note: Attention is called to Greek 14-15-16, designed for upperclassmen who have fulfilled the requirement in another foreign language.

11-12-13. INTERMEDIATE GREEK. (9).

A course running through three quarters, designed for those who show evidence of adequate preparation. Freshman and sophomore elective. *Three hours a week, through the year.* Professor Bernard.

14-15-16. SPECIAL COURSE IN ELEMENTARY GREEK. (9).

A course for beginners open only to those who desire an introduction to a second foreign language and who give evidence of being especially well qualified for such study. Sophomore elective. *Three hours a week, through the year.* Professor Sanders.

21-22-23. ADVANCED GREEK. (9). Prerequisite, Greek 1-2-3 or 11-12-13 or the equivalent.

Survey of Greek Literature with selected readings from representative authors. Sophomore elective. *Three hours a week, through the year.* Professor Bernard.

Latin

1-2-3. ELEMENTARY AND INTERMEDIATE LATIN. (9).

The course is designed for beginners and for those whose preparation is not sufficient to qualify them for Intermediate Latin (11-12-13). *Six hours a week, through the year.* Mr. Davis.

NOTE: Attention is called to Latin 14-15-16, designed for upperclassmen who have fulfilled the requirements in another foreign language.

11-12-13. INTERMEDIATE LATIN. (9).

The course is designed for those who show evidence of adequate preparation. Students entering with two units of Latin may be admitted. Readings in Latin prose, particularly Cicero. Freshman and sophomore elective. *Three hours a week, through the year.* Professor Dewing.

14-15-16. SPECIAL COURSE IN ELEMENTARY LATIN. (9).

The course is designed for beginners, open only to those who desire an introduction to a second foreign language, and who give evidence of being especially well qualified for such study. *Three hours a week, through the year.* Professor Howe.

21-22-23. ADVANCED LATIN. (9). Prerequisite, four units of High School Latin, or Latin 1-2-3 or 11-12-13.

The course will present a survey of Latin Literature, with selected readings from representative writers of prose and poetry. Freshman and sophomore elective. *Three hours a week, through the year.* Professor Sanders.

24-25. ROMAN LAW. (6). Prerequisite, Latin 21.

The course is a sophomore option of A.B.-LL.B. students, and is open to other students who have satisfied the prerequisite.

The course deals with the general principles and the historical development of Roman Law. The work consists of the translation of selected passages in the legal literature, readings, and lectures. *Three hours a week, winter and spring quarters.* Professor Harrer.

ECONOMICS

11. RESOURCES AND INDUSTRIES. (5).

This course occupies a middle ground between geography and economics. Important data of human economic geography are appraised as to their meaning to the economist. The emphasis in resource analysis, therefore, is on the supply and demand conditions which have a measurable effect on price behavior. The close relationship between geographical facts and institutional developments is taken into consideration. The approach is functional rather than descriptive. Attention is focused on wide vistas and deep perspectives rather than on details of technology. In general, an effort is made to place the discussion on a broad basis of human values and world relationships. *Five hours a week, every quarter.* Material fee, $1.00. Professor Zimmerman; Mr. Donovan.

21-22-23 (31-32-33). GENERAL ECONOMICS. (9). Not open to Freshmen.

This course is planned to give a general understanding of the organization of our economic life and the fundamental principles underlying it. An analysis is made of production, distribution, and consumption, of the elements which

determine value and price, with a brief introduction to money, banking and credit, monopoly, business combinations, transportation, labor problems, and economic reform. Sophomore elective. *Three hours a week, through the year.* Professors Lear, Wolfe, Evans, Cowden; Messrs. Winslow, Anderson, Douty, Wilder, McFerrin.

31-32. GENERAL ECONOMICS. (10). Not open to Freshmen.

This course is planned to give a general understanding of the organization of our economic life and the fundamental principles underlying it. An analysis is made of production, distribution, and consumption, of the elements which determine value and price, with a brief introduction to money, banking and credit, monopoly, business combinations, transportation, labor problems, and economic reform. Sophomore elective. *Five hours a week, winter, spring, and spring, fall quarters.* Professors Lear, Wolfe, Evans, Cowden; Messrs. Winslow, Anderson, Douty, Wilder, McFerrin.

35. ECONOMIC HISTORY. (5). Not open to Freshmen.

A survey of the steps by which economic activities have evolved from primitive beginnings into the complicated capitalistic economy of today. Special emphasis on the development of the wage system, the Industrial Revolution, the expansion of markets, the ebb and flow of industrial development to political policy, as they have manifested themselves in England and in the United States. *Five hours a week, every quarter.* Professor Heath; Mr. Wilder.

EDUCATION

31. GENERAL INTRODUCTION TO THE STUDY OF EDUCATION. (5). Required of all prospective high school teachers.

This course attempts to aid prospective teachers in obtaining a general understanding of the philosophy and purposes of public education. It introduces the broad outlines of the history, traditions, organization, and purposes of public schools. An attempt is made to help each student to examine his own abilities, limitations, interests, and personality in the light of requirements for successful teaching of high school students. Textbooks, class exercises, outside observations and readings, and special reports will be required. *Five hours a week, every quarter.* Professors Trabue, McKee.

ENGLISH

1-2-3. FRESHMAN ENGLISH. (9). Required of all Freshmen.

English 1 (fall) has for its object practical control of the sentence as a rhetorical unit and an understanding of the relation of sentence structure to paragraph structure. English 2 (winter) centers attention upon the paragraph and begins consideration of the technical problems of the longer theme. English 3 (spring) is devoted to study of the structure and style of the essay, and undertakes an approach toward the problems of the literature course in the sophomore year. In all three quarters the student pursues directed readings, writes frequent themes, and has personal conferences with his instructor. (Students who fail to qualify for English 1 will be required to take a preliminary course without credit.) *Three hours a week, throughout the year.* Professors Hudson (Chairman), McClamroch, Adams, Harry Russell, Bailey; Messrs. Nelson, Horner, Wilson, Wells, Spivey, Williams, Cox, Mahler, Congleton, Henry, McNeir, Cardwell, Grubb, Hartsell, Langston, Sams, Shackford, Svendsen, Ward, Robertson.

21-22-23. ENGLISH LITERATURE. (9). Prerequisite, English 1-2-3.

An introduction to English literature through the study of representative works of selected chief writers. *Three hours a week, throughout the year.*

Professors Adams (Chairman), Coffman, Booker, McKie, Taylor, Thrall, Paine, Hudson, Chang, Howell, MacMillan, Ericson, Bond, McClamroch, Olsen, Sharpe, Harry Russell, Bailey; Messrs. Wells, Williams, Nelson.

41. THE ORAL INTERPRETATION OF DRAMATIC LITERATURE. (5).

Elizabethan, eighteenth-century, and modern plays are used to give variety in dramatic expression. *Five hours a week, fall quarter.* Professor McKie.

42. THE ORAL INTERPRETATION OF NON-DRAMATIC LITERATURE. (5).

A wide variety of poetry from Milton to Masefield is the main material in this course, though work is required in the reading of suitable prose. *Five hours a week, spring quarter.* Professor McKie.

44. PUBLIC SPEAKING: INTRODUCTORY COURSE. (5).

Emphasis on organization of material, outlines, delivery, problems of attention and persuasion. Assigned reading in contemporary public problems as a basis for speaking. *Five hours a week, every quarter.* Professor Olsen.

45. ARGUMENTATION AND PUBLIC DISCUSSION. (5).

Includes analysis of questions, evidence, types of argument, fallacies, problems of persuasion, and practice in parliamentary procedure. *Five hours a week, winter quarter.* Professor Olsen.

GEOLOGY

11-12-13. INTRODUCTION TO GEOLOGY AND GEOGRAPHY. (12).

These introductory courses, primarily for freshmen and sophomores, include brief studies of general geology, both physical and historical, and an introductory course in college geography. *Three lecture and two laboratory hours a week, throughout the year. Laboratory fee $2.00.* Professors Prouty, MacCarthy, Huddle, Emory; Assistants.

41-42 (11-12). INTRODUCTION TO GEOLOGY. (12).

Lectures with laboratory and field work; laboratory work in the first quarter on common rocks and minerals, and map interpretation; in the second quarter on geological folios and the more common fossils. The first quarter deals with physical geology, with physiographic processes and their results; the second quarter is a study of the outlines of historical geology. Geology 41 is offered in the fall and spring quarters, in the summer session and on the summer transcontinental tour. Geology 42 is offered in winter quarter and in the summer session. These courses given in two quarters primarily for juniors and seniors are the equivalent of Geology 11-12 as given in previous years. *Four lecture and four laboratory hours a week. Laboratory fee, $3.00 a quarter.* Professors Prouty, MacCarthy, Huddle; Assistants.

43, 44. MINERALOGY. (5 each). Prerequisite, Introductory Geology, Chemistry 1-2-3 or 4-5.

Crystallography, physical and chemical properties of minerals, blow-pipe analysis; lectures, laboratory work, and field work. *Two lecture and six laboratory hours a week, winter and spring quarters. Laboratory fee $5.00 a quarter.* Professor MacCarthy; Assistants.

GERMAN

1-2-3*. ELEMENTARY AND INTERMEDIATE GERMAN. (9).

A course running through three quarters, designed for beginners and for those whose preparation is not sufficient to qualify them for Intermediate German (11-12-13). *Six hours a week through the year.* Messrs Coenen, Backenstoss, Cook, Lloyd.

Note: Attention is called to German 14-15-16, designed for upperclassmen who have fulfilled the requirements in another foreign language.

11-12-13* INTERMEDIATE GERMAN. (9).

A course running through three quarters, designed for those who show evidence of adequate preparation. Freshman and sophomore elective. *Three hours a week, through the year.* Professor Metzenthin; Mr. Coenen.

14-15-16. SPECIAL COURSE IN ELEMENTARY GERMAN. (9).

A course for beginners open only to those who desire an introduction to a second foreign language and who give evidence of being especially well qualified for such study. Sophomore elective. *Three hours a week, through the year.* Professor Metzenthin.

21-22-23*. ADVANCED GERMAN. (9). Prerequisite German 1-2-3 or 11-12-13 or the equivalent.

Survey of German literature with selected readings from representative authors. Sophomore elective. *Three hours a week, through the year.* Professors Zucker, Brown; Mr. Friederich.

HISTORY

SOCIAL SCIENCE 1-2-3. (9).

A general course dealing with the fundamental factors in modern civilization in Europe and the United States. An historical study of the institutions of western civilization, designed to promote an understanding of the social, political, and economic aspects of the modern world. *Three hours a week, throughout the year.* Professors Johnson, (Political Science); Pegg, Robson and Russell, (History); Buchanan and Mr. Douty, (Economics).

Note: Special Science 1-2-3 is prerequisite to all other courses in this department.

12. AMERICAN BIOGRAPHY. (5).

A general survey of the lives of a selected group of distinguished Americans and a study of their influence upon the history of the United States. Lectures, readings, and reports. *Five hours a week, spring quarter.* Professor .....

21-22-23. AMERICAN HISTORY: GENERAL COURSE. (9)

A general survey of the history of the United States. Lectures, textbooks, readings. Sophomore elective. *Three hours a week, throughout the year.* Professors Beale, Lefler.

41-42. ANCIENT AND MEDIEVAL HISTORY: GENERAL COURSE. (10).

A course dealing with the history of civilization from its beginnings to 1500 A. D. The first half of the course is devoted to the Orient, Greece, and Rome to the time of Constantine; the second half, to Western Europe in particular, from the time of Rome's decline to the age of the Renaissance and Reformation. Special attention will be paid to social and economic conditions and to cultural and religious developments. Sophomore elective. *Five hours a week, winter and spring quarters.* Professors Caldwell, MacKinney.

* If needed courses in scientific German also will be offered in the third quarter.

44-45-46. ENGLISH HISTORY: GENERAL COURSE. (9).

The purpose of this course is to convey a good working knowledge of English history and to broaden it into a survey of the part the Anglo-Saxon race has played in world history. Textbooks, readings, and lectures. Sophomore elective. *Three hours a week, throughout the year.* Professor Wagstaff.

MATHEMATICS

1-2-3. INTRODUCTORY MATHEMATICS. (9). Required of Freshmen.

A systematic development of the notion of functions. First the algebraic functions, including the linear function, the quadratic function, and functions of higher degree, an account of associated equations and geometric loci, the rate of change of a function, functions changing at a given rate. Then transcendental functions, including the logarithmic and exponential functions with their rates of change and associated problems. Finally the trigonometric functions and their application to the solution of triangles. *Three hours a week, for the year.* Professors Lasley, Hobbs, Browne, Mackie, Winsor, Linker, Hill, Hoyle, Garner; Messrs. Cameron, Garrett.

1C-2C-3C. FIRST YEAR MATHEMATICS. (9). Required of Freshmen who expect to enter the School of Commerce.

An elementary study of algebra and trigonometry, including algebraic and trigonometric functions, solution of right triangles by natural functions, graphs, factoring, fractions, ratio, proportion, variation, and the binomial theorem, linear functions, quadratic functions, functions of higher degree, exponents, radicals, logarithms, and the solution of right triangles by logarithms, functions of multiple angles, and the solution of oblique triangles by means of the sine and cosine laws; progressions, interest and discount, annuities and their application to the extinction of interest bearing debts, depreciation, building and loan associations, evaluation and redemption of bonds, probability, mortality tables, life annuities, life insurance, and insurance reserves. *Three hours a week for the year.* Professors Henderson, Lasley, Browne, Mackie, Winsor, Linker, Hill, Hoyle, Garner; Messrs. Cameron, Garrett, Bell, Lee.

21-22-23 (11-12-13). SECOND YEAR MATHEMATICS. (9). Prerequisite, Mathematics 1-2-3 or the equivalent.

The fundamentals of the analytic geometry of the straight line and the conic sections, transformation of coördinates, problems in loci. The differentiation process and its applications to geometry, physics, and mechanics, curvature of plane curves. The definite integral and its application to problems arising in geometry and the physical sciences, including length of arc, areas, volumes, moment of inertia, etc. Sophomore elective. *Three hours a week for the year.* Professor Henderson.

31-32-33. DRAWING, SURVEYING, AND MAPPING. (3 each). Courses 32 and 33 may be taken without course 31.

Designed for students in science, especially in geology, and for prospective teachers of mathematics. *Two lecture and two laboratory hours a week, through the year.* Professor.....

41-42-43 (23-24-25). SECOND YEAR MATHEMATICS: INTENSIVE COURSE. (15). Prerequisite, Mathematics 1-2-3 or equivalent.

A course designed primarily for students in the Division of Natural Science who are majoring in mathematics and who therefore want a more intensive course in the principles and methods of analytic geometry and the calculus. The concepts of the straight line and the conic sections and certain special plane curves are considered with especial consideration of the problems

of loci. The fundamental concepts of both the differential and the integral calculus are developed with application of a somewhat extended nature to situations in geometry, physics, and mechanics. These courses, though consecutive, may be taken separately in the order named for credit. Sophomore elective. *Five hours a week for the year.* Professor Mackie.

MUSIC

4-5-6. NOTATION, SIGHT-SINGING, AND DICTATION. (9).

A course in the rudiments of musical symbols with practice in reading and writing scales, intervals, melodies, and elementary harmonic materials. No prerequisite work nor previous training is necessary for Music 4, but previous experience will obviously be of great value to the student. *One lecture and four laboratory hours a week, fall, winter, and spring quarters.* Mr. Miller.

14-15-16. HARMONY. (9). Prerequisite or corequisite, Music 4-5-6.

By special permission 4-5-6 may be taken concurrently. *Three hours a week, fall, winter, and spring quarters.* Professor Haydon.

24-25-26. HISTORY OF MUSIC. (9).

This course, a general course in the history of music, is divided into three parts any one of which may be taken separately: (1) the period from antiquity to the end of the sixteenth century; (2) the seventeenth and eighteenth centuries; (3) from the Romantic period to the present day. *Three hours a week, fall, winter, and spring quarters.* Professor Swalin.

44-45-46. ADVANCED HARMONY. (9). Prerequisites, Music 14-15-16.

Three hours a week, fall, winter, and spring quarters. Professor Schinhan.

PHILOSOPHY

21-22-23. INTRODUCTION TO THE METHODS OF THOUGHT. (9).

An introductory study of the forms of valid inference, with special reference to the general methods of scientific thought. Emphasis will be placed both upon the discussion of principles and upon the study of their application in actual instances of successful thought. Sophomore elective. *Three hours a week, throughout the year.* Mr. Kattsoff.

24-25-26. INTRODUCTORY METAPHYSICS, ETHICS, AND POLITICAL PHILOSOPHY. (9).

A course designed to acquaint the student with the major philosophical alternatives underlying the scientific thought, the personal conduct, and the political forms of today. Views of man's status in nature, naturalism, pragmatism, dualism, realism, and idealism (fall). Evaluation of attitudes, such as the Stoic and Epicurean, expressed in present personal conduct (winter). Appraisal of political ideals: democracy, communism, and fascism (spring). Sophomore elective. *Three hours a week, throughout the year. Fall quarter,* Professor Emery; *winter quarter,* Dean Bradshaw; *spring quarter,* Professor Emery.

41. INTRODUCTION TO PHILOSOPHY. (5).

This course is intended to serve as an introduction to later work in philosophy; but its main purpose is to give a general view of philosophy to those who may take no further courses in the subject. Lectures and discussions. *Five hours a week, fall quarter.* Professor Emery.

PHYSICAL EDUCATION

HYGIENE 1-2-3. PERSONAL HYGIENE. (3).

This course is designed to acquaint the student with the fundamental facts of personal hygiene so that he may keep his body at its highest efficiency. It is intended also to show the student how the individual and the community are protected against communicable diseases and to give to him knowledge by means of which he may help in promoting health and social betterment. *One hour a week, fall, winter, and spring quarters.* Professor Cornwell; Messrs. James, Shepard.

PHYSICS

1-2-3. DESCRIPTIVE PHYSICS. (12). Fulfills the freshman requirement in science; is not accepted as meeting the requirement for admission to the School of Medicine. A cultural course emphasizing the historical development of physics, and its influence on modern life and thought. Text: Millikan, Gale and Edwards, *A First Course in Physics for Colleges.*

Part I. Mechanics, followed by a brief survey of all important physical ideas, in preparation for Part II. *Fall quarter.*

Part II. Heat, Sound, Light. *Winter quarter.*

Part III. Electricity, Magnetism, Structure of Atoms and Molecules, leading facts of Astronomy. *Spring quarter.*

Two lecture, one discussion, and two laboratory hours a week. Laboratory fee, $2.75 a quarter. Lectures: Professor Ruark. Discussion period: Professor Ruark and Mr. Barr. Laboratory: Professor Fussler and assistants.

21-22-23. GENERAL PHYSICS. (12). Prerequisite, Freshman Mathematics. Text: Foley, *College Physics.*

Part I. Mechanics of solids, liquids and gases. *Fall quarter.*

Part II. Electricity and Magnetism, Heat. *Winter quarter.*

Part III. Completion of Heat, Sound, Light. *Spring quarter.*

NOTE: All three parts must be completed in order to secure any credit.

Two lecture, one discussion, and two laboratory hours a week. Laboratory fee, $2.75 a quarter. Lectures: Professor Fussler; Discussion period: Professor Fussler; Messrs. Barr, Jones, and Smith. Laboratory: Professor Fussler and assistants.

24-25. GENERAL PHYSICS. (12).

A six-hour course covering physics in two quarters. Identical with Physics 21-22-23 in subject matter, textbook, total credit, and prerequisite.

Part I. Mechanics of solids, liquids, and gases; Heat and Sound. *Winter quarter.*

Part II. Electricity and Magnetism, Light. *Spring quarter.*

Five lecture and three laboratory hours a week. Laboratory fee, $4.00 a quarter. Lectures: Professor Stuhlman; Laboratory: Professor Fussler and assistants.

41. ASTRONOMY. (5).

A general course in descriptive and historical astronomy; lectures and recitations, with use of lantern slides, starmaps, telescope, and other instruments. Text: Duncan, *Astronomy. Five hours a week with occasional observations, spring quarter.* Professor Fussler.

POLITICAL SCIENCE

31-32-33. INTRODUCTION TO POLITICAL LIFE—LOCAL, NATIONAL, AND INTERNATIONAL. (9).

A survey of the institutions and problems of political life in the local area, the state, the nation, and the international community. The emphasis is on the actual and vital relations between the citizen and government with a view to stimulating an intelligent and thoughtful interest in the politics of the present. Each member of the department lectures in the field of his specialization and there is directed reading and written work on the basis of a syllabus prepared coöperatively. The student will not be required to buy a text-book but will pay a book fee of one dollar ($1.00) a quarter. Sophomore elective. *Three hours a week, through the year.* Professors Robson (chairman), Pierson, Wagstaff, Woodhouse, Frazer, Jenkins, Fesler; Mr. Howerton.

PSYCHOLOGY

21-22-23. GENERAL PSYCHOLOGY. (12).

The aim of the course is to present the essential phenomena of psychology as an experimental natural science. Emphasis is placed on the organic relationships within the whole field and upon some crucial problems of daily life. Lectures, textbooks, laboratory. Sophomore elective. *Three lecture and demonstration hours and two laboratory hours a week, throughout the year. Laboratory fee, $2.00 a quarter.* Professor Bagby; Messrs. Bayroff, Wickens, Welch, Spelt, Hines.

Note: General Psychology is prerequisite for all other courses in the subject.

ROMANCE LANGUAGES

French

1-2-3. ELEMENTARY AND INTERMEDIATE FRENCH. (9).

A course running through three quarters, designed for beginners and for those whose preparation is not sufficient to qualify them for Intermediate French (11-12-13). *Six hours a week, through the year.* Professors Lyons, Wiley; Messrs. Smith, Wright, Linker, Carroll, McLeod, Creech, Thurman, Engstrom, Little.

Notes: No student is permitted to take French 1 or 2 or 3 and Spanish 1 or 2 or 3 at the same time.

Attention is called to French 14-15-16, designed for upperclassmen who have fulfilled the requirements in another foreign language.

11-12-13. INTERMEDIATE FRENCH. (9).

A course running through three quarters, designed for those who show evidence of adequate preparation. Freshman and Sophomore elective. *Three hours a week, through the year.* Professors Huse, Staab, Wiley; Messrs. Smith, Wright, Linker, Carroll, McLeod, Creech, Thurman.

14-15-16. SPECIAL COURSE IN ELEMENTARY FRENCH. (9).

A course for beginners open only to those who desire an introduction to a second foreign language and who give evidence of being especially qualified for such study. Sophomore elective. *Three hours a week, through the year.* Professor Wiley.

21-22-23. ADVANCED FRENCH. (9). Prerequisite, French 1-2-3, 11-12-13, or the equivalent.

Survey of French Literature with selected readings from representative authors. Sophomore elective. *Three hours a week, through the year.* Professors Dey, Huse, Lyons, Wiley; Messrs. Smith, Linker, Carroll, McLeod.

24-25. COMMERCIAL FRENCH. (6). Open only to students who plan to enter the School of Commerce. Prerequisite, French 21.

The object of this course is to give the student practical training in modern French. Newspaper and magazine articles dealing with the life and customs of the country are read. Practice in social and commercial correspondence. This course is largely conducted in French. *Three hours a week, winter and spring quarters.* Professor Staab.

Spanish

1-2-3. ELEMENTARY AND INTERMEDIATE SPANISH. (9).

A course running through three quarters, designed for beginners and for those whose preparation is not sufficient to qualify them for Intermediate Spanish (11-12-13). *Six hours a week, through the year.* Professor Stoudemire; Messrs. Hayes, Weaver, McKnight, J. A. Barrett, L. L. Barrett.

NOTES: No student is permitted to take French 1 or 2 or 3 and Spanish 1 or 2 or 3 at the same time.

Attention is called to Spanish 14-15-16, designed for upperclassmen who have fulfilled the requirements in another foreign language.

11-12-13. INTERMEDIATE SPANISH. (9).

A course running through three quarters, designed for those who show evidence of adequate preparation. Freshman and Sophomore elective. *Three hours a week, through the year.* Professors Leavitt, Adams, Stoudemire; Messrs. Hayes, Weaver, McKnight.

14-15-16. SPECIAL COURSE IN ELEMENTARY SPANISH. (9).

A course for beginners open only to those who desire an introduction to a second foreign language and who give evidence of being especially qualified for such work. Sophomore elective. *Three hours a week, through the year.* Professor Stoudemire.

21-22-23. ADVANCED SPANISH. (9). Prerequisite, Spanish 1-2-3, 11-12-13, or the equivalent.

Survey of Spanish Literature with selected readings from representative authors. Sophomore elective. *Three hours a week, through the year.* Professors Adams, Boggs, Stoudemire.

24-25. COMMERCIAL SPANISH. (6). Open only to students who plan to enter the School of Commerce. Prerequisite, Spanish 21.

The object of this course is to give the student practical training in modern Spanish. Newspapers and magazine articles dealing with the life and customs of South America are read. Practice in commercial correspondence. This course is largely conducted in Spanish. *Three hours a week, winter and spring quarters.* Professor Leavitt.

SOCIOLOGY

21-22-23. COMPREHENSIVE INTRODUCTORY COURSE IN SOCIOLOGY. (9).

A comprehensive introduction to sociology and its newer developments. Study of sociological principles, processes, and theories integrated with social problems and social direction. How to study society; methods; techniques; research. Sophomore elective. *Three hours a week, through the year.* Professors Meyer, Vance, Brooks; Teaching Fellow.

ZOÖLOGY

1. (BIOLOGY 1). ELEMENTS OF PLANT BIOLOGY. (4).

See Department of Botany.

2. (BIOLOGY 2). ELEMENTS OF ANIMAL BIOLOGY. (4). Freshman elective.

An introduction to structure and function in the animal body, with some consideration of man's relation to his environment, both organic and inorganic, and a review of animal types. *Three lecture and two laboratory hours a week, fall or winter quarter. Laboratory fee, $2.00.* Professor Costello; Assistant.

3. (BIOLOGY 3). HUMAN BIOLOGY. (4). Freshman elective.

A brief consideration of the structure and functions of the human body; microörganisms and disease; evolution—plant, animal, and human; genetics; plant and animal breeding. *Three lecture and two laboratory hours a week, spring quarter. Laboratory fee, $2.00.* Offered jointly by the Departments of Botany and Zoölogy. Professors Couch, Costello; Mr. Adams; Assistants.

41. FUNDAMENTALS OF ANIMAL BIOLOGY. (6).

Principles of biology; elements of anatomy, physiology, and classification of vertebrate animals. Dissection of frog and dogfish and study of tissues, as necessary for an understanding of the organization and functions of vertebrate animals and especially of man. Sophomore, Junior, and Senior elective. *Four lecture and four laboratory hours a week, fall or winter quarter. Laboratory fee, $5.00.* Professor Coker; Assistants.

42a. DEVELOPMENT OF ANIMALS. (3). Prerequisite, Zoölogy 41. Optional accompanying course, Zoölogy 42b. Both 42a and 42c may not be taken for credit.

Basic facts and theories of individual development, heredity, and evolution. Sophomore, Junior, and Senior elective. *Three hours a week, spring quarter.* Professor Wilson.

42b. INVERTEBRATE ZOÖLOGY. (3). Prerequisite, Zoölogy 41. Optional accompanying course, Zoölogy 42a or 42c.

Study of invertebrate animals as examples of the varied forms of life and as concrete illustrations of the principles of biology. Field trips are made to observe and collect animals in nature. Sophomore, Junior, and Senior elective. *One lecture and four laboratory hours a week, spring quarter. Laboratory fee, $5.00.* Professors Coker, Costello; Assistants.

42c. PRINCIPLES OF ANIMAL BIOLOGY. (3). Prerequisite, Zoölogy 41. Required accompanying course, Zoölogy 42b. Both 42a and 42c may not be taken for credit.

Introduction to invertebrate zoölogy and to development, heredity, and evolution. Sophomore, Junior, and Senior elective. *Three hours a week, spring quarter.* Professors Coker, Costello.

ORGANIZATION BY DIVISIONS

The University at Chapel Hill is organized into nine divisions as follows:

The General College
The College of Arts and Sciences
The School of Commerce
The School of Public Administration
The Graduate School
The School of Law
The School of Medicine
The School of Pharmacy
The School of Library Science

The General College admits graduates of high schools and preparatory schools and normally administers their studies for two years. The Summer Session is practically a fourth quarter in the University year. Work is offered in the summer in practically all Departments and in the schools of Law, Pharmacy, Library Science, and Public Administration. The School of Pharmacy offers a four-year professional course beginning in the freshman year. All of the other divisions admit students at the beginning of the junior year or later.

THE GENERAL COLLEGE

For a description of the work of this college see pages 15-17.

Upon satisfactory completion of the work of the General College the student enters one of the divisions of the University which administer the studies of the junior and senior years. These divisions are described below.

THE COLLEGE OF ARTS AND SCIENCES

An important responsibility of the College of Arts and Sciences is to carry on the traditional training designed to promote discriminating sensibilities and disciplined intelligence, that is, to provide a general, well-rounded, liberal education. To this end, the College offers to juniors and seniors programs of studies in the usual liberal arts subjects such as language and literature, philosophy, social sciences, and natural sciences. Those who complete these studies are awarded the degree of Bachelor of Arts.

To those who are interested in (1) teacher-training, (2) journalism, or (3) music the College offers appropriate curricula leading to the degree of Bachelor of Arts. There is, also, provision for those who wish to qualify for the combined A.B.-LL.B. degrees by taking three years of prescribed academic work and three years in the School of Law.

More specialized programs are provided for those who wish to concentrate upon the natural sciences. Four-year curricula, the first parts of which are taken in the General College, lead to the degrees of Bachelor of Science in Chemistry, Bachelor of Science in Geology, and Bachelor of Science in Physics. A four-year curriculum qualifies one for the degree of Bachelor of Science in Medicine.

In addition to the programs of study already mentioned, there are pre-legal, pre-medical, and pre-dental curricula both with and without the A.B. degree. Before entering upon either of these programs the student should become acquainted with the requirements of the school he expects to attend.

For further details see the special catalogue of the College of Arts and Sciences.

THE SCHOOL OF COMMERCE

It is the purpose of the School of Commerce to provide its students with as thorough and scientific training in business as it is possible to give within the range of the subjects which it attempts to cover. The first two years of the curriculum, which are in the General College, are devoted primarily to a broad cultural outlook. The latter two years give the student an opportunity to develop an understanding of the principles and methods of the modern business world. Closely related subjects have been grouped together to correspond to certain major functions which must be performed in the successful administration of business enterprise, as for instance, banking and finances, accountancy, marketing, merchandising, advertising, etc. At the time of entrance into the School (the junior year) the student selects one of these groupings which will be pursued during the two years of his membership in the School. (See the special catalogue of the School of Commerce for details.)

THE SCHOOL OF PUBLIC ADMINISTRATION

The object of the curriculum leading to the degree of Bachelor of Science in Public Administration is to give the student a broad view of the field of public service, to afford the basis for further training for specific administrative positions, and also to lead toward preparation for teaching in the field of government and civics. Provided the student has chosen certain prescribed subjects, the completion of the work of the General College qualifies him for admission to this school. (See the special catalogue of the School of Public Administration for details.)

THE SCHOOL OF LAW

For admission to this School the general requirement is the full completion of the first three years of a regular curriculum leading to a degree in this institution or in another standard university or college. Three years of work in the School of Law are required to earn the

degree of Bachelor of Laws. While it is preferable for the student to have attained the degree of A.B. or S.B. or S.B. in Commerce before beginning the study of law, it is possible to follow a combined curriculum and secure two degrees in a period of six years—either A.B. and LL.B. or S.B. in Commerce and LL.B. (For details see the special catalogue of the School of Law.)

THE SCHOOL OF MEDICINE

At least three years of preparation in an approved institution, including the minimal requirements in pre-medical subjects must be offered to secure admission to the University's School of Medicine. It is much to be preferred that an applicant shall have secured the degree of A.B. or S.B. before entering this school. The University through the General College and the College of Arts and Sciences offers three years of practically prscribed academic work covering the minimal requirements and other valuable subjects in a curriculum leading to the degree of Bachelor of Science in Medicine. This degree is awarded when the student has completed the three years of prescribed academic work and the first year of work in medical subjects offered by our School of Medicine.

This school offers only two years of work. After completing the work here students complete the third and fourth years in the leading medical colleges of the country such as Harvard, Johns Hopkins, Pennsylvania, Jefferson, etc. At such schools our transferring students usually take high rank in their classes.

Interested students are referred for details to the special catalogue of the School of Medicine.

THE SCHOOL OF PHARMACY

This school admits both men and women directly from high school. The curriculum leading to the degree of Bachelor of Science in Pharmacy covers four years of work, combining professional and cultural courses in the first two years which are identical for all students in the school. During the latter two years a student may choose one out of three programs designed to equip the graduate to be (1) a prescriptionist or owner of a drugstore, (2) a specialist in the field of medicinal manufacture, or (3) a technical laboratory worker or specialist in the United States Health Service.

The special catalogue of the School of Pharmacy gives full details covering the admission of students and the work of the school.

THE SCHOOL OF LIBRARY SCIENCE

This is a professional school offering to qualified applicants a curriculum extending over one full session in the fundamentals of library science. In the case of a graduate from an accredited standard college or university this curriculum leads to the degree of Bachelor

of Arts in Library Science and prepares the holder of this degree to fill the position of librarian in a college, school, or municipality. One who qualifies as a full senior here in the College of Arts and Sciences and has completed certain other special requirements may enter the School and take his fourth year entirely in this field. The interested reader is referred to the special catalogue of the School of Library Science for a statement of special requirements, degrees offered, and limitations as to positions one may fill after completing such a curriculum.

THE GRADUATE SCHOOL

As the name indicates this school admits only those who already have attained a bachelor's degree. It is the great motivating power in research and investigation, in the application of the methods of research to the problems of society and industry, and in the training in further fields of learning of those who already have completed their undergraduate work.

EXPENSES

The University reserves the right to make, with the approval of the proper authorities, changes in any fees at any time.

Tuition and Other Fees for Each Quarter

Each student whose *bona fide* residence has not been established in North Carolina for at least the six months immediately prior to his first registration in the University must pay an extra fee of $33.34 for each fall, winter, or spring quarter he spends in residence. The residence of a minor is that of his parents or guardian. The residence of an adult remains with his parents or guardian unless he shall have independently set up his own.

Bona fide residence means that the student is not in North Carolina primarily to attend the University and that his status as a resident has not been set up merely as a technical bar to the extra charge. Mere ownership of property or payment of taxes apart from residence does not qualify one as a resident; nor may a student qualify by living in North Carolina the six months immediately prior to his first registration unless he continues so to live during the whole period of his stay at the University.

Students are presumed to know their correct residence status and to state the facts concerning it truthfully on their registration blanks. Students in doubt should appeal their cases in writing to the Dean of Administration, preferably in advance of registration. Students who misrepresent the facts of their residence status for the purpose of defrauding the University will be dealt with as are all other violators of the honor code.

Regular Fees:	Residents of N. C.
Tuition	$25.00
*Matriculation	14.50
Student Publications	2.30
Laundry Deposit	8.50
Student Union fee	1.00
Student Entertainment fee	1.00
Total for each quarter	$52.30

Delayed Registration: The penalty for delayed registration for any quarter is one month of strict attendance probation for each day of delay. Any student registering later than the time appointed for

* This fee includes the fee for physical education, the library fee, the fee for infirmary service, and the fee for debates.

his registration must pay five dollars ($5.00) as an additional fee for delayed registration. No appeal from either attendance probation or the late registration charge of five dollars will be granted, unless the delay is due to circumstances clearly beyond the student's control. Such an appeal must be made in writing to the Dean of Administration, must show clearly good and sufficient justification for the delay in registering, and must bear the approval of the Dean of division of the University in which the appellant is enrolled.

Laundry Deposit: Students will be required to send their washing to the University Laundry for which a deposit will be collected at the time of registration.

Laboratory Fees: Each student taking a laboratory course must pay, in addition to his tuition fee, a small fee for power or materials used in the laboratory. The fees for the various laboratory courses are shown in connection with the descriptions of the courses.

Transcripts of Record. One transcript will be furnished without charge. Additional transcripts will be furnished only upon payment of $1.00 for each copy.

Dormitory Accommodations for Men

Accommodations for approximately fourteen hundred students are available in the University dormitories.

All rooms in the dormitories are completely furnished. Students will, however, provide their own pillows, bed linen (for single beds), blankets, and towels.

Room rent ranges from $5.25 to $10.00 a month for each occupant, the price depending upon the location of the room. This charge includes light, heat, and service. Rooms are leased for the scholastic year. See p. 53 for assignment of rooms.

PECUNIARY AID

SCHOLARSHIPS

The Moore Scholarships. (Established in 1881). Bartholomew Figures Moore, of Raleigh, bequeathed $5,000, the interest of which shall be devoted to paying the tuitions of students.

The Mary Ruffin Smith Scholarships. (Established in 1885). Miss Mary Ruffin Smith bequeathed to the University in memory of her brother, Dr. Francis Jones Smith, a valuable tract of land in Chatham County of 1,460 acres, known as Jones' Grove. The will provides that rents of the land, or the interest on the purchase money if sold, shall be used to pay the tuition of such poor students as the Faculty shall appoint.

The Mary Ann Smith Scholarships. (Established in 1891). Miss Mary Ann Smith bequeathed $37,000 for the foundation of scholarships, the number of scholarships to be determined by the amount of the income.

The Cameron Scholarships. (Established in 1892). The heirs of Paul Carrington Cameron founded in his memory ten scholarships of the value of $75 each.

The Speight Scholarships. (Established in 1892). The late Mrs. Mary Shepherd Speight bequeathed $10,000 to the University. The income shall be used to pay the tuition of needy students; but if tuition is ever made free, the income shall be used toward paying the salaries of professors.

The Wood Scholarship. (Established in 1892). Mrs. Mary Sprunt Wood, of Wilmington, has founded, in memory of her late husband, Dr. Thomas Fanning Wood, a scholarship of the value of $75.

The Dialectic and Philanthropic Literary Societies' Scholarships. (Established in 1893). The Dialectic and Philanthropic Literary Societies of the University founded two scholarships of the value of $75 each, recipients of which shall give assistance in the Library.

The Weil Scholarship. (Established in 1898). A fund established by Mr. Henry Weil, of Goldsboro, furnishes one scholarship of the value of $75.

The Armfield Scholarships. (Established in 1901 and 1904). These scholarships were founded by the generosity of the late Mr. Eugene Mr. Armfield, of High Point, N. C., a member of the class of 1888.

THE KENNETH MURCHISON SCHOLARSHIPS. (Established in 1904). These scholarships have been founded by Mrs. Shirley Carter, of Baltimore, Md., and the late Mrs. James Sprunt, of Wilmington, N. C., in memory of their father. They are awarded by the founders.

THE DONALD FAIRFAX RAY SCHOLARSHIP. (Established in 1919). Mrs. N. W. Ray, of Fayetteville, N. C., has established this scholarship in memory of her son, Donald Fairfax Ray, a graduate of the University, who died while in the service of his country.

THE HOLT SCHOLARSHIPS. Four scholarships are maintained by the income from the Holt Loan Fund, established in 1920 by Mr. Lawrence S. Holt, Jr. They are awarded by the Committee on the Holt Fund, to a member of each of the four classes in the Academic Department. Applications are considered after the opening of the University in the fall.

THE ALUMNI SCHOLARSHIPS. These scholarships have been established by the gifts of Alumni, and they vary in stipends according to the funds in hand.

THE R. H. LEWIS SCHOLARSHIPS Four scholarships, endowed by the University Gymnasium Association, and called The R. H. Lewis Scholarships, are assigned by the President, and are good for tuition in the Academic Department.

THE MRS. AUGUSTUS H. JONES SCHOLARSHIP was created by a gift of two thousand dollars from Mrs. James H. Parker, of New York City, the income to be used for one scholarship. The recipient of this scholarship is to be designated by Mrs. James H. Parker during her life and thereafter upon the recommendation of the New York Chapter of the United Daughters of the Confederacy. Failing this recommendation from either source, appointment is to be made by the President of the University, preference being given first to relations of the late Dr. James H. Parker, of New York, and second to relations of the donor.

THE GEORGE NEWBY TOMS SCHOLARSHIPS. Established 1926 by Mr. C. W. Toms, in memory of his son, George Newby Toms. The income from a fund of $5,000 is granted by the University as scholarships to worthy students, preference being given to students from Durham and Perquimans counties in North Carolina.

THE GENERAL ROBERT RANSOM SCHOLARSHIP. This scholarship to the value of $200 is awarded each year to a lineal descendant of a Confederate Veteran. It is awarded and controlled by the United Daughters of the Confederacy in North Carolina.

THE JEFFERSON DAVIS ESSAY SCHOLARSHIP. Awarded each year by the United Daughters of the Confederacy in North Carolina to the high school graduate who writes the best essay on Jefferson Davis. Value $200.

WILLIAM BLOUNT RODMAN SCHOLARSHIPS. Two scholarships assigned to students at the University from the memorial trust fund created by Colonel W. B. Rodman in memory of his father, William Blount Rodman. They are assigned by the State Superintendent of Public Instruction, Trustee of the fund.

THE DANIEL G. FOWLE SCHOLARSHIP. One scholarship, founded in 1928 by Mrs. Walter F. Stearns (Mary H. Fowle) in memory of her father, Governor Daniel G. Fowle. Mrs. Stearns reserves the right to award the scholarship to a member of her own family; otherwise it will be awarded by the Superintendent of the Raleigh Schools and the Principal of the Raleigh High School to one Raleigh student on the basis of merit, character, and scholarship. Value annually $100.

THE GRAIL SCHOLARSHIP. One scholarship is maintained by the interest from the Grail Loan Fund, and is awarded each fall to that member of the entering class who as a senior in a North Carolina high school made the highest score on the state-wide examination conducted by the North Carolina College Conference.

THE MARY K. BROWN MEMORIAL SCHOLARSHIP. (Established in 1931). A fund was established by Mrs. James M. Brown in memory of her daughter, who served with unusual devotion as Secretary of the School of Commerce of the University. The Scholarship is awarded to a worthy student who is dependent upon his own efforts to secure an education.

This list does not include certain annual contributions for scholarships, which are not on an endowment basis.

All applications for scholarships must be filed in the office of the Dean of Administration on or before April fifteenth, and must be in the regular form prescribed by the University. Blank forms are supplied on application to Dean R. B. House.

FREE TUITION

Free tuition is given to indigent residents of North Carolina who are also under bodily infirmity.

LOAN FUNDS

THE DEEMS FUND. (Established in 1879). A fund of $600 was established by Rev. Charles Force Deems, D.D., late pastor of the Church of the Strangers, New York City, formerly a professor in the University, in memory of his son, Lieut. Theodore Disosway Deems. In 1881 the gift was greatly enlarged through the munificence of Mr. William H. Vanderbilt by a gift of $10,000 "as an addition to the Deems fund, to be loaned to indigent students of the University."

THE MARTIN FUND. This fund has been established by the bequest of Mr. Thomas D. Martin, of Raleigh. Only the interest of the fund can be used for loans. It became available during the session of 1908-1909.

THE HOGUE FUND. A fund of $4,000 has been established by the Rev. R. W. Hogue, of Baltimore, the income from which is to be loaned to worthy students in the University.

THE HEWITT FUND. A fund of $18,700 was established in 1916 by the bequest of Mr. Joseph Henry Hewitt, of Princess Anne County, Virginia. Only the income from this fund can be used for loans to "needy and deserving students" of the University. This fund became available during the session of 1919-1920.

THE HOLT FUND. A fund of $10,000 has been established by Mr. Lawrence S. Holt, Jr., of Burlington. The principal of this fund is to be loaned to "worthy and needy students of the University." The income from this fund is to be used in establishing four scholarships in the University. It became available during the session of 1920-1921.

THE VICTOR S. BRYANT FUND. A fund of $7,500 has been established by the bequest of Mr. Victor S. Bryant, of Durham. The principal and the interest of this fund can be used for loans to "worthy and needy young men" at the University. This fund became available during the session of 1920-1921.

THE MASONIC LOAN FUND. A fund of $1,250 has been established by the Grand Lodge of Masons, the Grand Chapter of Royal Arch Masons, and the Grand Commandery of Knights Templar of North Carolina, for the purpose of "assisting worthy boys and girls to secure an education." The principal of this fund is loaned, and the interest is added thereto. The fund became available in the fall of 1922, and has since been increased.

THE SEELY FUND. A fund of $1,000 has been established by Mr. F. L. Seely, of Asheville, the principal of which is to be loaned to worthy and needy students, and the income therefrom to be added to the principal. This fund became available during the fall of 1922.

THE E. S. BLACKWOOD MEMORIAL LOAN FUND, created by request of Miss Katherine B. Blackwood, of New York City. This fund consists of $10,000 "to be used as a loan fund for needy students." This fund is administered in the same manner as the Deems fund.

THE A. B. ANDREWS LOAN FUND. In May, 1925, the five children of the late Colonel A. B. Andrews (William J. Andrews, class of 1891; Alexander B. Andrews, class of 1893; Mrs. W. M. Marks; John H. Andrews, class of 1897, and Graham H. Andrews, class of 1903) established a fund of $2,500 of which the principal and interest are to be loaned to worthy students. This fund has been increased to $4,500 through the subsequent gifts from Mr. Alexander B. Andrews, of Raleigh, N. C. The A. B. Andrews Loan Fund is administered as are other loan funds from the University and is established as a memorial to Colonel A. B. Andrews, a noted railroad builder in

North Carolina and a Trustee of the University. It is requested by the donors that assistance from this fund be rendered first to students from those counties of North Carolina in which Colonel Andrews built railroads and second to those counties through which lines of the S. A. L., Norfolk-Southern, and Southern railway systems run.

THE J. E. LEAR FUND. This fund of $5,244 became available in 1924 as a fund upon which students in the School of Engineering, especially students in electrical engineering, would have first claim. The fund was the result of installation work done by the senior class in electrical engineering under the supervision of Professor J. E. Lear.

THE POGUE LOAN FUND. The fund of $1,000 was presented to the University in April, 1930, by Mrs. Joseph E. Pogue as a memorial to her husband, the late Mr. Joseph E. Pogue, the fund to be known as the Joseph E. Pogue Loan Fund. The principal and interest are to be loaned to deserving students.

THE EDMONDS LOAN FUND. The fund of a little over $800 has been set up by the Class of 1910 as a memorial to W. R. Edmonds, a member of that class.

GRAIL LOAN FUND. In June, 1930, the Order of the Grail, an undergraduate organization at the University of North Carolina, gave $1,400.00 to be known as the Grail Loan Fund. The principal of this fund is to be loaned to worthy students and the income is to be used as the Grail Scholarship. This scholarship, at present a cash award of $60, is to be made each fall to that member of the entering class who as a senior in a North Carolina high school made the highest score on the annual State-wide examination conducted by the North Carolian College Conference.

THE ALUMNI LOYALTY LOAN FUND. Established on June 30, 1930, by the advance of $12,200.00 out of the Alumni Loyalty Fund.

THE ALDEN JOSEPH BLETHEN III MEMORIAL LENDING FUND. During the fall of 1930, Col. C. B. Blethen, of Seattle, Wash., gave $2,000 to be known as the Alden Joseph Blethen III Memorial Lending Fund. This he did as a memorial to his son, A. J. Blethen III, a member of the Class of 1934. The principal of the fund is to be loaned to deserving students.

THE ROCKINGHAM COUNTY ALUMNI LOAN FUND. A fund of $713.32 advanced by the Rockingham County Alumni Association, available since January 11, 1932. It may be recalled by the lender as it may desire.

ESCHEATS FUND. According to State law, clerks of court are directed to forward to the University money included in estates for which no heir can be discovered. For these funds the University is

merely custodian for a period of years during which any heir discovered may legally claim the funds. During this period the money is placed in the Student Loan Funds as a temporary investment.

The Charles L. Coon Memorial Loan Fund. A fund of $615.00 established by the administrators of the Charles L. Coon Memorial Loan Fund of Wilson, North Carolina, in September, 1934. The funds to be loaned to graduates of the Charles L. Coon High School of Wilson, North Carolina, upon the written approval of the Superintendent and the Chairman of the Board of Trustees of said high school.

The Charlotte Kiwanis Club Loan Fund. A fund of $325.00 established by the Kiwanis Club of Charlotte, North Carolina, in 1935. Loans to be made to students from Mecklenburg County, North Carolina, who have successfully completed at least two years of college work at the University, and who have the written approval of the loan committee of the Charlotte Kiwanis Club.

The Emergency Student Loan Funds

In the winter and spring of 1932, the University confronted a genuine emergency growing out of an announced reduction of state appropriations by 30%, and the fact that between five hundred and seven hundred students were without funds with which to continue their course. When this situation was presented by President Graham, students ($2,057.14), faculty ($2,035.38), the people and community organizations of Chapel Hill ($970.22), various chapters of the D. A. R., U. D. C., and other committees of women, began building a student loan fund. Alumni and friends of the University everywhere contributed to raise the total of new loan resources to $109,000.00, known collectively as "The Emergency Student Loan Fund." The portions of that fund which for some appropriate reason were separately established are listed below. Unless otherwise indicated, the funds are loaned on the same terms as is the Deems Fund.

The W. C. Coker Loan Fund. A fund of $500.00 established February 2, 1932, by Dr. W. C. Coker, head of the Botany Department of the University.

The Jessie Kenan Wise Loan Funds. A loan fund of $25,000.00 established February 4, 1932, by Mrs. Jessie Kenan Wise, of Wilmington, N. C., and another loan fund of $47,000.00 in securities, the income from which may be loaned to students immediately, and the principal may be similarly used when available through the sale of the securities as opportunity for sale on favorable terms may arise.

The Burton Craige Loan Fund. A fund of $1,000.00 established February 6, 1932, by Mr. Burton Craige, 1897, of Winston-Salem, N. C.

THE JAMES A. GRAY LOAN FUND. A fund of $500.00 established February 15, 1932, by Mr. James A. Gray, '08, of Winston-Salem, N. C.

THE BLAIR LOAN FUND. A fund of $500.00 established March 2, 1932, by Col. David H. Blair, '98, and Mrs. David H. Blair, of Washington, D. C.

THE SARAH WATTS MORRISON LOAN FUND. A fund of $1,000.00 established March 4, 1932, by Mrs. Sarah Watts Morrison of Durham and Charlotte, N. C.

THE STUDENT LOAN FUND OF THE NORTH CAROLINA CONGRESS OF PARENTS AND TEACHERS, INC. A fund of $750.00 loaned to the student loan funds by Mrs. J. W. Burke, Treasurer, by authority of the organization named above.

THE SARAH GRAHAM KENAN LOAN FUND. A fund of $1,000 established March 7, 1932, by Mrs. Sarah G. Kenan, of Wilmington, N. C., to be used first by a designated student. When repaid, Mrs. Kenan will indicate its further usage.

THE MILO M. PENDLETON LOAN FUND. A fund of $1,000.00 established March 15, 1932, by Mrs. Katherine Pendleton Arrington as a memorial to her brother, Milo M. Pendleton, of the Pharmacy Class of 1902.

THE RICHMOND, VIRGINIA, ALUMNI ASSOCIATION LOAN FUND. A fund of $320.00 given by the organization named above with the request it be set so as to receive annual additions from the donors. It has been available since March 29, 1932.

THE LOAN FUND OF THE WOMAN'S AUXILIARY, N. C. PHARMACEUTICAL ASSOCIATION. A fund of $150.00 given by the above named organization, through its president, Mrs. F. W. Hancock, of Oxford, N. C. This fund has been available for Pharmacy students at the University since April 8, 1932.

THE EDRINGTON SPENCER PENN AND CHARLES ASHBY PENN, JR., LOAN FUND. A fund of $1,000 established April 14, 1932, by Mrs. Charles Ashby Penn of Reidsville, North Carolina.

THE C. W. TOMS LOAN FUND. A fund of $1,000.00 established May 19, 1932, by Mr. C. W. Toms, '89, of New York City, in memory of his son, the late George Newby Toms, '28.

THE MARGARET MCCAULL CARMICHAEL LOAN FUND. A fund of $1,000.00 established by Mr. W. D. Carmichael, '97, on May 25, 1932. Mr. Carmichael is a resident of Durham, N. C., and New York City.

The Jefferson C. Bynum Memorial Loan Fund. A trust fund established by Mrs. Jefferson C. Bynum in memory of her husband. The fund of $2,000.00 to be held in trust for the future education of her two sons, Jefferson C. Bynum, Jr., and Rufus S. Bynum. Pending the matriculation of the beneficiaries at the University, the fund may be loaned to University students.

The Annie Louise Watts Hill Loan Fund. A fund of $1,000.00 established by Mr. John Sprunt Hill, of Durham, N. C., on June 4, 1932, as a memorial to his wife.

The George Basley Hiss Loan Fund. A fund of $10,000.00 established by Mrs. Bertha T. Hiss, of Charlotte, N. C., in memory of her husband, George Basley Hiss. This fund has been available since June 30, 1932.

Applications for Loans

Applications for loans will be considered when made in person by students registered in the University. The funds are limited in amount and are loaned only on the security of two approved signatures and at the legal rate of interest. Application should be made to the Student Loan Fund office as far in advance as possible.

Self Help

Many students are now working their way through college by every form of honorable labor. A number are here as a result of money earned or borrowed. Students are selected by the authorities as clerks in the University Library and as helpers in the University Laundry and Buildings Department. Otherwise all opportunities available in the University and town must be secured by the personal efforts of the individual, with the assistance of the Self-Help Bureau of which Mr. Edwin S. Lanier is secretary. They are not assigned by the President of the University nor by the Dean of Administration nor by the Dean of Admissions nor by the Dean of Students. Application should be made direct to the Self-Help Bureau of the Y. M. C. A. before May 15, after which time the assignments to the Library, the Laundry, and the Buildings Department are made.

MEDALS AND PRIZES

The Eben Alexander Prize in Greek. (Established in 1887.) A prize of $10 is offered annually to that member of the Sophomore Class who shall present the best rendering into English of selected passages of Greek not previously read.

The Archibald Henderson Prize in Mathematics, formerly the William Cain Prize. (Established in 1908.) A gold medal is offered annually to that student who shall take the highest rank in Mathematics 22-23 or 42-43. No student will be recommended for the prize unless he attains to grade B.

STUDENT GOVERNMENT

The student body of the University is self-governing. The functions of this government are both disciplinary and constructive. These functions are exercised by the Student Council.

THE STUDENT COUNCIL, 1935-1936

*Rufus Adolphus (Jack) Pool, Chairman, *ex officio*
Thomas Moore Evins, Vice-president
John Johnston Parker, Jr., Secretary

Clyde Edward Mullis
James Brown Craighill
Ernest Marvin Allen
John David Smith
Francis Irving Anderson
Melvin Bowman Smith
*Francis Hilliard Fairley

The Student Council is composed of nine members, as follows: Representatives of the three upper academic classes, one representative from each of the professional schools of Lak, Medicine, and Pharmacy, one representative elected by the other seven members of the Council, and the President of the Student Body. The member elected by the Council must be chosen from among those who have served on the Council before. The President of the Student Body is *ex officio* Chairman of the Council.

Student government, in so far as it is disciplinary, is based upon the honor principle. No code of rules is laid down to direct a student what to do and what not to do. The only standards are those of morality and gentlemanly conduct. The Student Council is the executive expression of the honor principle. It is the concrete expression of the moral University. Its members being elected of the students by the students, it is grounded upon, and gives expression to, student sentiment. The Council is not an organization of policemen, nor is it based upon a system of espionage. When any student is felt by his fellow students to be unworthy to remain in the University, the Council takes cognizance of this feeling. It examines the matter, finds the facts in the case, and decides upon the course to be pursued. If the student is found guilty of conduct unworthy of a University man, he is promptly required to withdraw from the University. Among the offenses demanding withdrawal may be mentioned drunkenness, cheating, and gambling.

THE COLLEGE YEAR

The college year is divided into fall, winter, and spring quarters of approximately twelve weeks each, and a summer session divided into two terms of about six weeks each. There is a Thanksgiving recess of three days, a Christmas recess of approximately two weeks, and a spring recess of about six days.

* Upon the retirement in February, 1936, of Mr. Pool from the Council, Mr. Francis Fairley was made Chairman.

RELIGIOUS INFLUENCES

Through the coöperation of all concerned, religious influences of unusually effective character surround the University student. Chapel exercises are held in Memorial Hall at ten-thirty o'clock. The Young Men's Christian Association, to which the University makes annual contributions, is of great value in the life of the campus.

The larger denominations of the State have erected at Chapel Hill modern and adequate church plants. The Chapel Hill churches are manned by an effective and coöperative group of pastors, are all located in close proximity to the campus, and play a very large and genuine part in the life of the University.

DISCIPLINE

The University endeavors to make young men manly and self-reliant, and to develop character by educating the conscience. The Faculty may, at their discretion, admonish, suspend, or dismiss students for neglect of duty, or for misconduct. See also under the heading of Student Government.

PHYSICAL EDUCATION

Hearty encouragement is given to athletic sports and to all kinds of physical culture.

In addition to inter-collegiate athletics the University fosters an unusually extensive program of intra-mural sports, involving over half the undergraduates in a wide variety of games. There are contests in basketball, tag-football, indoor and outdoor baseball, tennis, soccer, quoits, rifleshooting, boxing, wrestling, fencing, and track. Intra-mural teams offer every interested student opportunity for participation in some interesting and healthful form of competition with his fellows, for learning team work and good sportsmanship.

Physical education is required of all freshmen in the afternoons twice each week for the year. A course in hygiene is required of all freshmen once each week for the year.

A thorough physical examination is given to students at the time of entrance. All students are classified on the basis of the examination and effort is made to adapt the program to the individual's particular needs. Particular attention is given to various remediable defects and individual programs are built with the idea of improving or correcting the existing condition.

It is hoped that all students can develop sufficient skill in various recreational activities in order that continued participation in the activity will result.

A well rounded seasonal program of intramural athletics is carried on throughout the year with the idea of supplying recreational opportunity to all members of the student body. Complete schedules are

played in a variety of individual and team activities, including tennis, golf, fencing, table tennis, bowling, boxing, wrestling, track and field, quoits, tag-football, indoor and outdoor baseball, basketball, and soccer.

The program of intercollegiate athletics includes a great variety of seasonal competitive games with the idea of promoting maximum participation by members of the student body.

More advanced courses in Physical Education are offered to upper classmen who plan to become athletic directors or coaches.

The physical education of women students is under the charge of Mrs. Gladys Angel Beard as Director and a group of administrative officers as a board. Each freshman woman student is carefully examined and tested for the purpose of discovering defects and correcting them. Arrangement for this examination is made when the student registers for the required course. Vigorous exercise and recreation are provided by tennis, archery, dancing, track work, basketball, and hockey; and inter-class competition is encouraged.

MEDICAL ATTENTION

In order to provide proper attention for the student during sickness the University employs two full time physicians and maintains a well appointed infirmary. The infirmary is equipped with all necessary conveniences and comforts, and with a modern X-ray unit and laboratory for diagnostic purposes under the direction of a full time technician. It is under the immediate supervision of the University Physician, and is provided with three experienced nurses. At the discretion of the University Physician a student may be admitted to its wards, and for such services as may be rendered by the staff no charges are made. But should any additional service (consultation, special nurses, operations requiring the attendance of a trained surgeon), recommended by the attending physician and approved by the parent or guardian, be necessary, the student will be required to pay for such services.

THE UNIVERSITY LIBRARY

Robert Bingham Downs, A.B., M.S., *Librarian*

The University Library contained on November 1, 1935, 285,568 volumes. It is housed in a new library building completed in July, 1929. Its seating capacity is one thousand readers, its present book capacity is approximately 300,000 volumes. In addition to the resources of the general reference rooms, the Library has a collection of 51,213 bound periodicals. Three thousand four hundred and sixty-one current periodicals, newspapers, and transactions of various societies, continuing and supplementing the bound sets, are subscribed for or secured through exchange annually.

Brief instruction in the use of the card catalogue, the periodical indexes, and the reference books generally, is given to new students at the beginning of each year.

Subscribers to the Library are the students and the members of the faculty. Other persons who desire to use the Library may become subscribers upon payment of the regular library fee of $4.00 a year, $1.00 for three months, or 50 cents a month. Persons who are not subscribers may not borrow books on a subscriber's name.

A student who owes the Library for fines or lost books will not receive academic credit until the indebtedness has been settled.

UNIVERSITY ORGANIZATIONS

THE SENATE OF THE DIALECTIC LITERARY SOCIETY AND THE GENERAL ASSEMBLY OF THE PHILANTHROPIC LITERARY SOCIETY

The Dialectic and the Philanthropic Literary Societies were organized in 1795, the year of the opening of the University. Their existence has been inseparably linked with that of the University and they have shown remarkable power in developing character, as well as in training the intellect. They offer facilities for practice in debate, oratory, and essay writing; and their members become familiar with parliamentary law and procedure.

In 1919 the Philanthropic Society was reorganized on the plan of the General Assembly of the State and changed its name accordingly. Similarly in 1924 the Dialectic Society after reorganization became the Dialectic Senate.

MUSICAL ORGANIZATIONS

The Department of Music extends its facilities with respect to both faculty and equipment to the support of the musical organizations. In addition a collection of records, scores, books on music, together with phonographs for audition purposes are accessible to all students of the University during certain hours daily; and provision is made for the reception of the weekly broadcasts of symphonies, operas, and other important programs.

The Hill Music Auditorium, seating eight hundred people, with its four manual concert organ, is the home of recitals and concerts by faculty members, students in the department of music, and visiting artists. The Vesper Organ Recitals are given on Sunday afternoons throughout the academic year by Professor Jan Philip Schinhan.

The University Glee Clubs

H. Grady Miller, *Conductor*

These organizations are open to all students of the University. The work in the Men's Glee Club and in the Women's Glee Club is carried on as a part of the curriculum in Music. Each group devotes its time to the study and performance of appropriate vocal literature and the schedule is so arranged that the two groups may join forces for the interpretation of compositions for a mixed chorus. Provision is made for frequent concert appearances of these organizations.

The Chapel Hill Choral Club

Executive Committee

Dr. A. McC. White, *Chairman* Mr. G. H. Lawrence
Mrs. G. A. Harrer Dr. Glen Haydon Dr. C. E. Preston
Mrs. A. S. Wheeler Mr. Jesse Parker
Mr. H. Grady Miller, *Conductor* Mrs. A. S. Wheeler, *Pianist*
Professor Jan Philip Schinhan, *Organist*

The Chapel Hill Choral Club, an informal organization of students, faculty, and townspeople, gives two or three performances each year. In recent years such works as Bach's Christmas Oratorio and Schubert's Mass in E Flat have been given. Rehearsals are held each Monday evening.

The University Symphony Orchestra

Earl A. Slocum, *Conductor*

The personnel of this organization includes students, faculty, and townspeople. The rehearsals are devoted to the study of standard symphonic literature and several concerts with instrumental and vocal soloists as assisting artists are given during the year. For details concerning credit in orchestra for regularly enrolled students, see the announcement of the Music Department.

The University Band

Earl A. Slocum, *Conductor*

The band is organized as a regular course in the Music Department, devoted to the study and performance of the standard musical literature for this type of ensemble group. In addition, especially during the fall quarter, the band coöperates with the Athletic Association in providing music for the football games, and usually makes one or more trips with the team. During the winter and spring quarters, as conditions permit, concert tours throughout the state are arranged.

Alpha Rho Chapter of Phi Mu Alpha (Sinfonia)

This chapter of the national honorary musical fraternity is composed of students of music, and such other students and faculty members as reveal particular interest in the participation in musical performance. The members of the chapter act as hosts for all musical events occurring in Hill Music Hall throughout the year. In order to create a fund from which scholarships for worthy students of music may accrue, the Alpha Rho chapter of Sinfonia sponsors each year a concert by a world-famous musical artist.

THE CAROLINA PLAYMAKERS

Frederick Henry Koch, A.M., Litt.D., *Director*
Samuel Selden, A.B., *Associate and Technical Director*
Harry Ellerbe Davis, A.B., *Assistant Director and Business Manager*

The Carolina Playmakers is the University dramatic organization. Its purpose, as set down in the Charter, is: "First, to promote and encourage dramatic art, especially by the production and publishing of plays; Second, to serve as an experimental theatre for the development of plays representative of the traditions and present-

day life of the people; Third, to extend its influences in the establishment of a native theatre in other communities." It is incorporated under the laws of the State of North Carolina as a non-stock corporation.

The Carolina Folk-Plays and other plays of American locale are written and produced in the University courses in Dramatic Composition and Production, members of the community of Chapel Hill —students, faculty, and townspeople—assisting. Those who contribute to the writing or producing of the plays constitute the membership of the organization. Any student may participate in any of the various departments of the work.

The Playmakers now have their own theatre building on the campus, fully equipped for all manner of experimentation and production. Besides this, their Forest Theatre furnishes an ideal setting for out-of-door productions. They have an adequate workshop for the construction and painting of scenery and for the making of costumes.

The large stage in the University auditorium, Memorial Hall, provides ample facilities for traveling professional companies.

YOUNG MEN'S CHRISTIAN ASSOCIATION

FRANCIS FOSTER BRADSHAW, *Chairman, Board of Directors*
BILLY FRANCIS YANDELL, *President*
GEORGE CYRUS MACFARLAND, *Recording Secretary*
HARRY FULCHER COMER, *General Secretary*
EDWIN SIDNEY LANIER, *Self-help Secretary*
HELEN LOUISE HODGES, *Office Secretary*

The Young Men's Christian Association is an organization of students which seeks by precept and example to encourage right and wholesome Christian living. In this spirit it endeavors to extend a helping and active influence to every sphere of campus activity.

Not unaware of its essentially religious nature, it strives in every feasible way to make the religion of the campus very real and very genuine, and to uphold the Christian life as the ideal in conduct, thought, and temperament for every man. To those who are so inclined it offers unlimited opportunity for religious service and personal growth.

The Association has very greatly enlarged its program and staff in the past five years, keeping step with progress in all other departments of the University, and with the increase in student enrollment.

REGULATIONS

SPECIAL NOTICE TO STUDENTS

This catalogue, issued in the spring of each year, is intended to give such a description of the work of the University and such a digest of its rules as are needed by students. Neither the courses announced nor the rules given are valid beyond the succeeding year, for before the end of the succeeding year a new catalogue will have been issued, superseding all previous catalogues. Ordinarily a student may expect to be allowed to secure a degree in accordance with the requirements of the curriculum laid down in force when he first entered the University, or in any one subsequent catalogue published while he is a student; but the faculty reserves the right to make changes in curricula, as in rules, at any time when in its judgment such changes are for the best interests of the students and the University.

FRESHMAN WEEK

In order to facilitate the process of adjustment which the freshman must pass through, the University has set up a "freshman week" program. The events of this week include mental and physical measurements, pre-registration counseling, special lectures on student traditions, and social gatherings, in addition to the registration for courses. This program begins with a meeting of the entire freshman class in Memorial Hall at 2:00 p. m. on Friday, September 11, 1936. All students entering the University for the first time in the Freshman class are required to be present at this and all other appointments comprising the program of freshman week.

REGISTRATION

All new students except freshmen are expected to present themselves for registration THURSDAY, SEPTEMBER 17, 1936, between the hours of 9 a. m. and 5 p. m., at the places announced in the plan for registration. All are expected to complete their registration by Thursday, September 17. All men registering here for the first time will report for physical examination to the University Infirmary. Bills for tuition and fees are payable at the time of registration. For the winter and spring quarters all students in residence except those in the School of Law must register in December and March according to a schedule published immediately before the examinations for the fall and winter quarters begin.

Registration for credit for any course is limited to the first seven calendar days of a quarter unless the late registration is approved by the instructor concerned, the Dean, and the Administrative Board (or the Special Faculty) of the school.

PAYMENT OF BILLS

Bills for the fall quarter are payable Thursday, September 17. Bills for the winter and spring quarters are payable at the Business office on the first class day of the quarter. Failure to pay or to make proper arrangements for payment results in the assessment of an extra fee of $5.00.

DELAYED REGISTRATION

The penalty for delayed registration for any quarter is one month of strict attendance probation for each day of delay. Any student registering later than the time appointed for his registration must pay five dollars ($5.00) as an additional fee for delayed registration. No appeal from the imposition of either attendance probation or the late registration charge of five dollars will be granted, unless the delay is due to circumstances clearly beyond the student's control. Such appeals must be made in writing to the Dean of Administration, must show clearly good and sufficient justification for the delay in registering, and must bear the approval of the Dean of the division of the University in which the appellant is enrolled.

ARRANGEMENT OF COURSES

Attention is called to the reduction of credit for freshman and sophomore courses when taken late in the student's career. Only half credit is allowed if a regular freshman course is taken after a student begins his seventh quarter or if a regular sophomore course is taken after he begins his tenth quarter.

No student will be allowed to take fewer than fifteen credit hours a week. A load up to eighteen credit hours a week may be taken without any restrictions; one of nineteen or twenty credit hours a week requires a scholastic average of at least C in the preceding quarter; one of twenty-one or more credit hours a week requires a scholastic average of at least B in the preceding quarter *and* the approval of the Dean.

Students desiring to change their courses must make written application to their respective Deans for the desired changes. The application will be considered by the Dean and will be granted only after a careful consideration of the facts in each case. The written permission of the Dean must be presented at the office of the Assistant Registrar, room 8, the South Building, and payment may be made of

the fee of twenty-five cents for each item of change. Changes in registration are limited to the first seven calendar days of a quarter.

ASSIGNMENT OF ROOMS

The rooms in the University dormitories are assigned to students by the Cashier in the order of application, subject to the special regulations given below.

The University reserves the right to require any student whom for any reason it considers an undesirable tenant to vacate a room in the University dormitories.

In order to retain his room for the next scholastic year, a student must file with the Cashier before May 25 an application and a deposit of $5.00 as an option. Double rooms must be applied for by both intending occupants. The rooms thus applied for will be retained until September 1, when first payment of rent is due. The option deposit will be forfeited in case the applicant does not himself occupy the room and pay the rent. Rooms not applied for or made vacant by failure to pay at the proper date will be assigned in the order of application.

The right to occupy a room is not transferable and terminates with the expiration of the lease. Any attempt on the part of an occupant of a room to sell or transfer his right to occupancy shall be deemed a fraudulent transaction. The penalty for violating this rule shall be the forfeiture of the room by the new lessee.

The occupant of a room will be held directly responsible for any damage done to the furniture in his room or to the room.

No dogs shall be kept in the University dormitories. Breach of this regulation leads to forfeiture of the room.

CONDUCT

By order of the Board of Trustees the Faculty is directed to discipline or dismiss from the University any student who is known to engage in drinking intoxicating liquors, gambling, hazing in any form (presence at hazing is regarded as participation), or to be guilty of dissolute conduct. See also Student Government, page 44.

Students persistently neglectful of duty, or addicted to boisterous conduct or rowdyism may be required to leave the University.

Students, unless *bona fide* residents of Chapel Hill, when suspended from the University for disciplinary reasons, must leave the campus and Chapel Hill within forty-eight (48) hours or forfeit the right to readmission at any time.

ATTENDANCE

Due to the policy under which courses are given in the University, namely lectures, daily work, quizzes, and short final examinations, regular attendance upon meetings of classes is considered very important and is considered a student obligation.

Beginning with the spring quarter, 1936, the responsibility for attendance is in the hands of the instructors in the various courses. Departments may make uniform regulations governing attendance if they so desire.

Instructors in all cases are expected to keep a daily record of attendance and to report to the Associate Registrar the name of any student who has been absent three consecutive meetings of a class.

Instructors are expected to warn a student who has been absent more than seems reasonable. Further absences give instructors the right to request the Dean concerned to exclude such a student from the class. If the Dean knows extenuating circumstances he must confer with the instructor before the student is actually excluded.

Any student who has attained the honor roll during two successive quarters shall be exempt during the ensuing quarter from the regulations governing absences and shall be exempt thereafter so long as that student maintains the honor roll average. To the foregoing regulation there are to be the following exceptions: (a) the privilege of absences does not apply to requirements of attendance relative to written or laboratory work or to quizzes and examinations; (b) the privilege earned by the student shall be forfeited if that student is absent without excuse immediately before or immediately after holidays.

Departments or instructors may, on occasion, permit the student to attend or engage in an educational activity other than that of the class as a substitute for class attendance.

The Deans are expected to use their best judgment in the matter of allowing a student to remain in residence after having been dropped from one or more classes. The Deans will also coöperate with the instructors in bringing students to a realization of the consequences of excessive absences.

It is the duty of instructors to report to the Associate Registrar all absences occurring at the *beginning of each quarter and all those occurring immediately before and immediately after holidays. The penalty for such absences is loss of membership in the student body, requiring favorable action (for good cause) of the Committee of Deans before the student may be readmitted to the University.

Absences from class attendance for cause may be excused. Such absences are those due (a) **to participation in recognized University

* The Departments are expected to coöperate with the Deans in getting classes accurately organized by remaining on duty the whole day for the first few days of each quarter.

** Such authorized leaves of absence must be secured in advance.

activities, as those of the Glee Club, Debating and Athletic teams, and the Playmakers when occurring away from Chapel Hill, such excuses to be issued by the Assistant Registrar; (b) **those due to actual illness, testified to by the physician who attended the student in person during illness; and (c) *those due to emergencies caused by extraordinary circumstances, when excused by the Dean of the School concerned.

The Assistant Registrar will furnish to the student upon request a record of the days he has been excused for the information of instructors.

Any student who is absent from a quiz or an examination at the appointed time thereof without excuse as defined above will not be permitted to make up this quiz or examination. Any department may impose a fee not exceeding one dollar ($1.00) upon the student having excuse for such absence for the privilege of taking a special quiz or examination or a make-up laboratory exercise.

No student unless exempted by having attained the honor roll for two successive quarters shall be given credit in the University for any course unless that student has attended at least 75 per cent of the class meetings of the course during the quarter in which it is offered.

Departments may require students who have been absent, whether the absences are excused or not, to make up work covered during the periods thereof.

The grade of a student who quits a course without the permission of the Dean of his College or School is recorded officially as F.

The grade of a student who drops a course in which he is failing at that time shall be recorded as F, unless, in the judgment of his Dean, the reason for his failure be circumstances clearly beyond his control.

Attendance in Memorial Hall at 10:30 a. m. is required of freshmen on such days as are announced for assemblies. Absence from assembly will subject the student to discipline by his Adviser.

No student is allowed to absent himself from the University without written permission as provided above. This permission may, at the discretion of the executive, be granted only upon the formal request of the parent or guardian.

EXAMINATIONS

Regular written examinations are required at the end of each quarter in all courses except those the nature of which is such as to make written examinations unnecessary. Approval of such exceptions must be secured in advance from the Dean of the College.

Special examinations may be taken by students, who have received the condition grade (E), at the period of the special examinations

* Such authorized leaves of absence must be secured in advance.

** Excuses for illness must be reported within forty-eight hours from time of the beginning of the illness.

in September. Provided he has no conflict with a course regularly taken by him in the quarter such a student may take the examination with a class in the same subject at any regular quarter examination period within a year after he has made the grade E. The grade E becomes F if the student fails to pass the reëxamination whether in September or at a regular period.

Under no circumstances may a student stand a special examination to remove a condition grade (E) between the first and the last class days in any quarter unless such examination is requested by the Committee of Deans.

Special examinations for students who have been officially excused from regular examinations on account of sickness or have been absent on account of some necessary cause may be held at suitable times fixed by the Recorder and the instructors concerned. Such examinations must be taken within twelve (12) months of the date of absence.

To be entitled to take a special examination within a quarter, or at the September period, or at a regular quarter examination period, the student is required to file with the Recorder at least one week prior to the examination period a written notice that he desires to take such examination.

Final examinations except in laboratory practice may not be held at any times other than those specified in the preceding regulations.

No examinations may be held later than 6:30 p. m.

All examinations must be held in Chapel Hill.

Examinations should be limited to a period of two hours. In courses in which a considerable portion of the examination is of a *practical* nature the instructor may extend the time in his discretion.

No students other than the following may take the examination in any course: 1st—regularly enrolled members of the class whose names have been reported from the Recorder's office to the instructor as having been registered in due form for the course; and 2nd—those whose names have been reported from the Recorder's office as having the right to take special examinations on that course.

Students absent from an examination without an official excuse or present and failing to submit examination papers are reported "absent." This mark is equivalent in every respect to grade F or failure, and is so reckoned in the office of the Registrar.

Each student is required to subscribe his name to the following pledge or its equivalent on every paper: "I hereby certify that during this examination I have neither given nor received aid." The instructor should not report a grade for any student whose examination paper lacks this pledge.

Papers handed in at a special examination by students who have been officially excused from the regular examination will be graded; all others will be marked "passed" or "failed."

Schedules of examinations at the ends of the terms and in September are to be so arranged that examinations set for the last day of the period shall be set for the first day of the next period.

The order of examinations for the removal of conditions in September, 1936, will be as follows:

Monday, September 14

8:30 a.m.	Economics	8:30 a.m.	Music
	Romance Languages		History
	Zoölogy		Mathematics
11:00 a.m.	Education		Political Science
	English	2:00 p.m.	Compar. Literature
	German		Greek
			Physics
			Sociology

Tuesday, September 15

4:30 p.m.	Geology	8:30 a.m.	Botany
	Psychology		Engineering
	Rural Economics		Latin
11:00 a.m.	Chemistry		
	Commerce		
	Philosophy		

STANDING

After the close of each quarter reports of the standing of all students in all their studies are sent to parents or guardians. The reports are based upon the following system of marking:

Grade A, Excellent.
Grade B, Good.
Grade C, Fair.
Grade D, Barely passed.
Grade E, Conditioned.
Grade F, Failed.
*Grade I, Work incomplete.

GENERAL INFORMATION

When a student has shown marked deficiency in the use of English in any course, his grade in that course may have attached a "composition condition" (cc). This condition, while not affecting a student's eligibility for continuance in the University, must be removed before final credit will be allowed. Such conditions may be removed by the subsequent completion of the regular freshman courses in English, by

* The grade I may be converted into one of the other grades by completing within a period of twelve months such additional assignments as may be required by the instructor in the course. A grade of I not so converted becomes F.

passing a special examination (offered each quarter by the Department of English for this purpose), or by completing the non-credit course in elementary English composition.

A student must attain a grade of D to pass in any study. Grade E indicates that the student is conditioned but may remove the deficiency by special examination as explained above. Students receiving grade F must repeat the study to receive any credit for the same.

Any student, after conference with the instructor concerned may appeal from a course grade provided the appeal is presented in writing to the Dean of Administration within thirty regular college days after the grade has been recorded. The Dean of Administration, after bringing the appeal to the attention of the head of the department concerned, will refer it to the Administrative Board of the College (or School) in which the student is registered. The Board's decision shall be final.

To be eligible for graduation a student must secure the grade of C or higher on at least half of his work.

Interpretation of this ruling:

(1) The rule applies to all undergraduate students in the College and School of Commerce for work subsequent to September, 1930.

(2) A student who completes the required courses but with grades which do not entitle him to his degree will be allowed to take additional junior-senior courses until such time as he meets the requirement of the rule.

(3) Transfers with advanced standing will come under this rule only for those courses pursued at this Institution.

A student to be ranked as a Sophomore must have passed at least thirty-six quarter hours; to be ranked as a Junior, at least seventy-eight quarter hours; to be ranked as a Senior, at least one hundred, thirty-six quarter hours.

Undergraduate students, in order to be eligible to continue in the University, must qualify according to the following requirements: A freshman must pass some *academic work in each quarter, and a total of at least thirty quarter hours before beginning his fourth quarter. After the freshman year (three quarters) a student must pass at least ten hours each quarter. Ineligible persons are not to be considered members of the University. In case a student has been handicapped by circumstances beyond his control, he may appeal for readmission to the committee of Deans by means of a written petition stating his case and sent to the Registrar's office. Deficiencies may be made up by correspondence work or in the summer session, in which case only credits exceeding five hours credit so obtained shall count for re-

* For the purpose of this rule freshman courses in hygiene and physical education are not included in "academic work", but they may be counted in the total of thirty quarter hours required in three quarters. In case a freshman is exempt from the requirement of physical exercise, the number thirty is reduced by one quarter hour for each quarter he is exempt.

admission. In three quarters, therefore, a freshman must pass at least thirty hours, or thirty-five if he is making up a shortage by correspondence work or in the summer session; and one above freshman year similarly must pass at least thirty hours or thirty-five if he is making good a deficiency by correspondence work or in summer school.

No student who fails to qualify under the above regulations may be readmitted to *any division* of the University except by a special vote of the Faculty or a delegated committee of the Faculty. This delegated committee of the faculty will meet at 10:00 a.m. on the *last* Saturday in July, at 10:00 a.m. on the second day *before* the stated registration day at the opening of each quarter, and at 10:30 a.m. on the second day *after* the stated registration day at the opening of each quarter to consider written petitions of students who have definite and convincing reasons on which to base a request that the rule be waived. All petitions, except those of students in Law, Medicine, and Pharmacy, should be sent to the Registrar's office *in writing* and, to be considered, must be in hand *before* the stated meetings in that quarter in which the student seeks readmission. *Notice is given that the rule may be waived only once for any individual.*

WITHDRAWALS

Formal withdrawal, which is prerequisite to honorable dismissal or reëntrance to this institution, must be approved by the student's Dean to be valid. Such a withdrawal will be approved only after full investigation of the circumstances and after the lapse of twenty-four hours from the time the first application is filed with the Dean. The withdrawal form after approval by the Dean must be filed promptly with the Recorder in room 8, the South Building.

If a student withdraws after the mid-term and is reported as below passing in two or more courses, that quarter will be counted as a quarter in residence in all computations of his requirements for readmission. If a student withdraws before mid-term, it will be left to the discretion of the Dean as to whether or not that quarter is to be counted as a quarter in residence. The Dean's verdict will be indicated specifically on the form used for withdrawal.

FRATERNITIES

GENERAL REGULATIONS. Students may join fraternities after registration at the opening of any quarter or term provided they are eligible under the special regulations of the Faculty. Before a fraternity may initiate a pledge it must make written inquiry of the Assistant Registrar as to the eligibility of such pledge and must secure a written certificate of eligibility. Pledging of a student to join a fraternity is not allowed until he has been in the University a specified length of time as follows: If he matriculates for the first time in the University in the summer session or in the fall quarter, he may not be pledged

until the regular pledge date for the quarter; if in the winter quarter, until a similar date in that quarter; if in the spring quarter, until a similar date in that quarter. No student may be pledged during the summer session, but, if a student remains in the summer session for the full twelve weeks, it may be counted for him as a regular quarter towards meeting the requirements as to residence. A student entering the University with advanced standing, whether he enters an academic or a professional school, may not be pledged until the regular pledge date after the date of his matriculation in this institution; but in no case may a student be pledged during the summer session.

TRANSCRIPTS OF RECORD

Honorable dismissal has reference to conduct and character only. It will not be granted unless the student's standing as to conduct and character is such as to entitle him to continue in this University. Furthermore, in every statement of honorable dismissal full mention will be made of any probation, suspension, or other temporary restriction imposed for bad conduct which is still in force when the papers of dismissal are issued.

Statement of record has reference to the recorded results of a student's work in the classroom. It will in every instance contain all the important facts pertaining to the student's admission, classification, and scholarship. In particular, no partial or incomplete scholastic record (for example, with failures omitted) will be given without clear evidence that it is partial or incomplete. If the student's scholarship has been such as to prevent his continuance in this University or to render him subject to any probation, suspension, or other temporary restriction which is still in force at the date of the record, a plain statement of any and all such facts will be included, and such information will be given as will make clear the system of grades employed, the number of exercises a week devoted to each course, etc.

Transcripts of record, except the first which is furnished without cost, will be made upon payment of one dollar ($1.00) for each copy desired.

INTERCOLLEGIATE ATHLETICS

The University is a member of the Southern Conference and its rules necessarily conform to the rules of the Conference. Only a summary of the rules which affect the student are given here.

To be eligible to represent the institution in intercollegiate athletics, including freshman games, the student must have presented fifteen acceptable units for first admission; must be taking regular work as approved by his Dean; must be free from academic and conduct probation; must have been declared eligible by the faculty eligibility committee after convincing the committee that he receives no preferential treatment due to athletic ability by way of a scholarship, loan,

job, or other financial or material assistance; must not have taken part in any intercollegiate contest at any other college as a freshman or varsity player in the same sport in which he wishes to represent this University. If a student transfers from some other college he is not eligible for intercollegiate athletics on either freshman or varsity teams for twelve months from the date of first matericulation here unless he is a graduate of a Junior College which is a member of its regional accrediting agency. For this region the Southern Association of Colleges and Secondary Schools is the agency. Thus if a student transfers as a graduate from a Junior College which is a member of its regional accrediting agency he may participate in varsity athletics his first year here, but his total time of participation is limited to a period of five years from the time of first matriculation in any college including a Junior College. If a student has played upon the team of a Junior College while in the preparatory department of said college he will not be eligible for freshman or varsity teams during his first year in this University, but will be eligible for varsity athletics after one year. This same rule applies to a student who has been in a Junior College and who transfers before graduation.

No student will be allowed to take part in athletics until he has been declared physically fit by the University Physicians nor if his parents or guardians disapprove.

It may be said that the University lends all possible encouragement to students to take part in athletics, by way of playing fields, equipment, large coaching staff, good Physical Education Department, a full program of intercollegiate and intramural athletics, courses in hygiene and health, and directed physical training.

For further details in regard to athletics the student should write to Dr. A. W. Hobbs, Chairman, Faculty Committee on Athletics.

APRIL 20, 1936 NUMBER 307

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE ONE HUNDRED AND FORTY-SECOND SESSION

THE COLLEGE OF ARTS AND SCIENCES

CATALOGUE ISSUE
1935-1936

Announcements for the Session
1936-1937

THE UNIVERSITY OF NORTH CAROLINA PRESS
CHAPEL HILL, N. C.

CALENDAR FOR 1936

JANUARY

S	M	T	W	T	F	S
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DECEMBER

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CALENDAR FOR 1937

JANUARY

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FEBRUARY

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MARCH

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APRIL

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JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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CATALOGUE OF EVENTS

SESSION, 1936-1937

1936

June 7-9	*Sunday through Tuesday.* Commencement Exercises.
June 11-July 22	Summer Session, First Term.
July 23-August 29	Summer Session, Second Term.
September 14	*Monday,* Entrance Examinations.
September 14-15	*Monday and Tuesday.* Examinations to remove condition grades.
September 17	*Thursday.* Registration (all except Freshmen) for the fall quarter.
September 18	*Friday.* Class work for the fall quarter begins.
October 12	*Monday.* University Day.
November 25	*Wednesday.* Thanksgiving Recess begins (1:00 p.m.).
November 30	*Monday.* Thanksgiving Recess ends (8:30 a.m.).
December 10-19	*Thursday* to 1:00 p.m. *Saturday* of following week. Registration for the winter quarter.
December 15-19	*Tuesday through Saturday.* (1:00 p.m.). Examinations for the fall quarter.
Dec. 19 (afternoon)-December 30	Christmas Recess.
December 31	*Thursday.* Registration of new students.

1937

January 1	*Friday.* Class work for the winter quarter begins.
March 5-13	*Friday* to 1:00 p.m. *Saturday* of following week. Registration for the spring quarter.
March 9-13	*Tuesday through Saturday.* (1:00 p.m.). Examinations for the winter quarter.
March 15	Monday. Registration of new students.
March 16	*Tuesday.* Class work for the spring quarter begins.
April 11-18	*Sunday through Sunday.* Spring Recess.
May 31-June 4	*Monday through Friday.* Examinations for the spring quarter.
June 6-8	*Sunday through Tuesday.* Commencement Exercises.

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OFFICERS OF ADMINISTRATION

THE CONSOLIDATED UNIVERSITY

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President.*
Charles Thomas Woollen, *Controller.*

THE UNIVERSITY

The College of Arts and Sciences

Robert Burton House, A.M., *Dean of Administration.*
Allan Wilson Hobbs, Ph.D., *Dean of the College of Arts and Sciences, Chairman* pro tempore *of the Faculty.*
Livingston Bertram Rogerson, *Assistant Controller.*
Thomas James Wilson, Jr., Ph.D., *Dean of Admissions, Registrar, and Secretary of the Faculty.*
Robert Bingham Downs, M.S., *Librarian.*
Francis Foster Bradshaw, Ph.D., *Dean of Students.*
Mrs. Marvin Hendrix Stacy, *Adviser to Women.*
Robert Allison Fetzer, B.S., M.A., *Director of Athletics.*
Julius Algernon Warren, *Treasurer and Bursar.*
Ben Husbands, A.B., *Associate Registrar.*
George Kenneth Grant Henry, Ph.D., *Assistant Registrar.*
Matt Lee Thompson, S.B. Comm., *Auditor.*

THE ADMINISTRATIVE BOARD

Allan Wilson Hobbs, Ph.D., *Dean*

*George Howe, Ph.D.
William Frederick Prouty, Ph.D.
John Frederick Dashiell, Ph.D.
Marion Rex Trabue, Ph.D.
Mitchell Bennett Garrett, Ph.D.
Howard Russell Huse, Ph.D.
Millard Breckenridge, Ph.B., LL.B.
John Nathaniel Couch, Ph.D.
Ralph Walton Bost, Ph.D.
Corydon Perry Spruill, B.Litt. (Oxon)
George Raleigh Coffman, Ph.D.
Karl Hartley Fussler, Ph.D.

PHYSICAL EDUCATION FOR MEN

The Gymnasium

Robert Baker Lawson, M.D., *Director.*
James Acra Hackney, Jr., *Secretary.*
Emery Elisha Raper, *Assistant.*

PHYSICAL EDUCATION FOR WOMEN

Gladys Angel Beard, M.A., *Director.*

* Absent on leave, 1935-1936.

THE INFIRMARY

WALTER REECE BERRYHILL, A.B., M.D., *University Physician.*
EDWARD MCGOWAN HEDGPETH, A.B., M.D., *Assistant University Physician.*
FAY CHOATE, *Registered Nurse.*
MARGARET MCKEE, *Registered Nurse.*
CARTER RIDDLE, *Registered Nurse.*
RUTH BARNES, *Technician.*

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

HARRY FULCHER COMER, M.A., *General Secretary.*
EDWIN SIDNEY LANIER, *Self-Help Secretary.*
HELEN LOUISE HODGES, A.B., *Office Secretary.*

GENERAL INFORMATION

THE UNIVERSITY

FOUNDATION AND GOVERNMENT

The University was established in obedience to the first Constitution of the State, which was adopted in December, 1776. A clause of section XLI declared that "all useful learning shall be duly encouraged and promoted in one or more universities." The charter was granted by the General Assembly in 1789, the cornerstone of the Old East Building was laid in 1793, and the university was opened in January, 1795.

By the Constitution adopted in 1868 the General Assembly has "power to provide for the election of Trustees of the University of North Carolina, in whom, when chosen, shall be vested all the privileges, rights, franchises and endowments thereof in anywise granted to or conferred upon the trustees of said University; and the General Assembly may make such provisions, laws and regulations, from time to time, as may be necessary and expedient for the maintenance and management of said University." The Governor of the State is *ex officio* President of the Board of Trustees.

The same Constitution, in connection with "Benefits of the University," further states: The General Assembly shall provide that the benefits of the University, as far as practicable, be extended to the youth of the State free of expense for tuition; also, that all the property which has heretofore accrued to the State, or shall hereafter accrue, from escheats, unclaimed dividends, or distributive shares of the estates of deceased persons, shall be appropriated to the use of the University.

ORGANIZATION AND DEGREES

The University is organized into a General College (which gives the general academic work of the first two years), a College of Arts and Sciences, and eight schools which have jurisdiction over degrees as shown below.

The College of Arts and Sciences

Bachelor of Arts
Bachelor of Arts in Journalism
Bachelor of Science in Chemistry
Bachelor of Science in Geology
Bachelor of Science in Physics
Bachelor of Arts and Laws (with the School of Law)
Bachelor of Science in Medicine (with the School of Medicine)

THE SCHOOL OF COMMERCE

Bachelor of Science in Commerce
Bachelor of Science in Commerce and Laws (with the School of Law)

THE SCHOOL OF ENGINEERING

Bachelor of Science in Electrical Engineering
Bachelor of Science in Civil Engineering
Bachelor of Science in Mechanical Engineering
Bachelor of Science in Chemical Engineering

THE SCHOOL OF PUBLIC ADMINISTRATION

Bachelor of Science in Public Administration

THE GRADUATE SCHOOL

MASTER OF ARTS
MASTER OF SCIENCE
DOCTOR OF PHILOSOPHY

THE SCHOOL OF LAW

Bachelor of Laws
Doctor of Law
Bachelor of Arts and Laws (see above)
Bachelor of Science in Commerce and Laws (see above)

THE SCHOOL OF MEDICINE

Bachelor of Science in Medicine (see above)

THE SCHOOL OF PHARMACY

Bachelor of Science in Pharmacy

THE SCHOOL OF LIBRARY SCIENCE

Bachelor of Arts in Library Science

In the Summer Session are offered many courses for which regular University credit is allowed, including special courses designed primarily for the teachers of the State. Practically all the work offered is of collegiate grade and may be counted towards some degree from the University.

There is also a Division of Extension through which the services of the University Faculty and certain material equipment of the University are made available to the people of the State generally.

THE GENERAL FACULTY OF THE UNIVERSITY

By action of the Trustees of the University the General Faculty includes all members of the University's teaching force above the rank of Instructor and all general administrative officers of the institution. In the President and the General Faculty is vested final authority

(under the Trustees) over all matters of University policy and activity. Under the General Faculty the College and the Schools have separate Faculties and Administrative Boards, which have final authority over matters pertaining solely to such College or Schools.

SCHOLARSHIPS AND OTHER FINANCIAL ASSISTANCE

There are certain endowed scholarships available for students who can show good attainments in scholarship along with definite financial need. Information in regard to them can be secured by writing to Dean R. B. House. See pages 24-26.

The University has a sum of money which may be loaned to worthy students who can show definite need. Information can be secured from Mr. J. A. Williams. See pages 27-31.

There are a certain number of positions involving various kinds of work which enable some students to earn a part of their expenses. Information about this can be secured from Mr. Edwin S. Lanier. See page 31.

Students should not come to the University unless they are able to pay their bills immediately upon registration. All arrangements about payment of bills must be made in advance of registration, whether by way of loans, scholarships, acceptance of notes, or in any other manner.

THE DIVISIONS

For the purpose of better educational policy in regard to the student's choice of courses, sequences of courses, etc., the faculty is divided into three Divisions, the Division of the Humanities, the Division of the Social Sciences, and the Division of the Natural Sciences. The work of some Departments will be found in more than one Division and for convenience that of others may from time to time be shifted from one to another or be placed in more than one.

The student should make up his mind by the end of his freshman year if possible what subject he wishes to make his major. In his sophomore year he should take whatever work he can looking towards his major. In his junior year he enters one of the Divisions and his work is directed by the requirements of the Division and by any special needs he may have in conference with the Head of the Division, or by a person designated for this purpose. Students taking the A.B., LL.B. course do not fall in any Division but are under the direct charge of the Dean of the College of Arts and Sciences; those taking the S.B. in Medicine curriculum are in the Division of the Natural Sciences.

THE DIVISION OF ADMISSIONS AND RECORDS

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President.*
Robert Burton House, A.M., *Dean of Administration.*
Thomas James Wilson, Jr., Ph.D., *Dean.*

*THE ADMINISTRATIVE BOARD

Allan Wilson Hobbs, Ph.D. — Dudley deWitt Carroll, M.A.
Ralph Walton Bost, Ph.D. — Francis Foster Bradshaw, Ph.D.
William Jasper Miller, S.M.E.E. — Robert Burton House, A.M.
Ben Husbands, A.B., *Secretary.*

GENERAL STATEMENT

Since the conclusion of the World War the University has experienced such a growth both in numbers and in breadth of policy and influence that it has been found necessary in many ways to revise and modify previously existing modes of action. From this influence came in March, 1920, the proposals of the University Advisory Committee with reference to the more definite organization of separate schools or faculties and the establishment of administrative boards for these separate schools. The proposals were adopted.

After about ten years it was generally felt that developments subsequent to the above action had led to practices and procedures not in strict accord with the plans adopted in 1920. After full investigation and discussion by the Advisory Committee and the Administrative Officers of the University new regulations designed to make effective the original legislation of 1920 were proposed to the General Faculty and were adopted.

By these regulations the Special Faculties of Law, Medicine, Pharmacy, Engineering, and of the Graduate School and the Undergraduate Faculty were definitely provided and their jurisdictions, powers, and duties were defined. At the same time were settled the status, powers, and duties of the Administrative Boards of all schools and divisions. See Catalogue for 1930-1931, page 30 and following. Schools organized subsequently, such as Library Science and Public Administration, have similar arrangements.

The division named at the head of this section was organized in 1931 for the purposes indicated by its title in order still further to organize and make more effective existing agencies for the promotion of the good of the University. This division was at first appointed

* In matters involving any of the schools of Law, Medicine, Pharmacy, the Graduate School, the School of Public Administration, or the School of Library Science the Dean or Director of the school concerned will sit as an active member of the Administrative Board.

(and with a somewhat different personnel) as the Committee on Admissions, with instructions to investigate and discuss conditions along this line and to make a report to the President.

Following the formal report made on the deliberations and recommendations of the above committee the work was felt to be of enough importance to justify the organization of a division with a dean and administrative board and with a province embracing not only matters of admissions but those of general administration of regulations also. In the matter of admissions it is expected that the Administrative Board of this division will at its regular and special meetings continually keep a live and constructive interest in the establishment of policies and plans for improving the quality of our student body.

THE DIVISION OF STUDENT WELFARE

GENERAL STATEMENT

The Division of Student Welfare was established to coördinate and promote the work of all University agencies and organizations affecting the welfare of students. Its work is understood to embrace all University relationships with students other than formal instruction. These relationships all have educational significance and are recognized as an integral part of the educational program of the University.

In recent years of University growth many agencies have come into existence to promote in various ways the wholesome growth of students and student life. To relate most effectively the respective functions of such agencies and to focus the entire guidance resources of the institution on the particular needs of students both as individuals and as groups is the responsibility of this division through its Administrative Board.

*THE ADMINISTRATIVE BOARD

Allan Wilson Hobbs
Mrs. Marvin Hendrix Stacy
Dudley deWitt Carroll
Robert Burton House
William Morton Dey
William Stanley Bernard
English Bagby
Harry Fulcher Comer
Walter Reece Berryhill
Robert Baker Lawson
Robert Allison Fetzer
J. Maryon Saunders
Livingston Bertram Rogerson
Carl Snavely
Edward McGowan Hedgpeth
Harper Barnes
Oliver Kelly Cornwell
Harold Diedrich Meyer
Corydon Perry Spruill
Marion Rex Trabue
Edwin Sidney Lanier
Francis Foster Bradshaw, *Chairman*

Because of the intimate relationship of this division to student life, there is an Advisory Board composed of students appointed annually by the President of the University on the joint nomination of the President of the Student Body and the Chairman of the Board. The following students were appointed for 1935-1936:

Don Kennedy McKee
Frank Willingham
**Francis Hilliard Fairley
Philip Gibbon Hammer
Charles Aycock Poe
Hubert Hinton Rand
Luther Columbus Bruce
Jane Amelia Ross
Billy Francis Yandell

**Rufus Adolphus Pool, *Chairman*

* The Presdient and the Dean of Admissions are *ex officio* members of this Administrative Board.

** Upon the retirement in February, 1936, of Mr. Pool from the Advisory Board, Mr. Fairley was made Chairman.

STUDENT GOVERNMENT

The student body of the University is self-governing. The functions of this government are both disciplinary and constructive. These functions are exercised by the Student Council.

THE STUDENT COUNCIL, 1935-1936

*Rufus Adolphus (Jack) Pool, Chairman, *ex officio*
Thomas Moore Evins, Vice-president
John Johnston Parker, Jr., Secretary

Clyde Edward Mullis
James Brown Craighill
Ernest Marvin Allen
John David Smith
Francis Irving Anderson
Melvin Bowman Smith
*Francis Hilliard Fairley

The Student Council is composed of nine members, as follows: Representatives of the three upper academic classes, one representative from each of the professional schools of Law, Medicine, and Pharmacy, one representative elected by the other seven members of the Council, and the President of the Student Body. The member elected on the Council must be chosen from among those who have served on the Council before. The President of the Student Body is *ex officio* Chairman of the Council.

Student government, in so far as it is disciplinary, is based upon the honor principle. No code of rules is laid down to direct a student what to do and what not to do. The only standards are those of morality and gentlemanly conduct. The Student Council is the executive expression of the honor principle. It is the concrete expression of the moral University. Its members being elected of the students by the students, it is grounded upon, and gives expression to, student sentiment. The Council is not an organization of policemen, nor is it based upon a system of espionage. When any student is felt by his fellow students to be unworthy to remain in the University, the Council takes cognizance of this feeling. It examines the matter, finds the facts in the case, and decides upon the course to be pursued. If the student is found guilty of conduct unworthy of a University man, he is promptly required to withdraw from the University. Among the offenses demanding withdrawal may be mentioned drunkenness, cheating, and gambling.

THE COLLEGE YEAR

The college year is divided into fall, winter, and spring quarters of approximately twelve weeks each, and a summer session divided

* Upon the retirement in February, 1936, of Mr. Pool from the Council, Mr. Francis Fairley was made Chairman.

into two terms of about six weeks each. There is a Thanksgiving recess of three days, a Christmas recess of approximately two weeks, and a spring recess of about six days.

RELIGIOUS INFLUENCES

Through the coöperation of all concerned, religious influences of unusually effective character surround the University student. Chapel exercises are held in Memorial Hall at ten-thirty o'clock. The Young Men's Christian Association, to which the University makes annual contributions, is of great value in the life of the campus.

The larger denominations of the State have erected at Chapel Hill modern and adequate church plants. The Chapel Hill churches are manned by an effective and coöperative group of pastors, are all located in close proximity to the campus, and play a very large and genuine part in the life of the University.

DISCIPLINE

The University endeavors to make young men manly and self-reliant, and to develop character by educating the conscience. The Faculty may, at their discretion, admonish, suspend, or dismiss students for neglect of duty, or for misconduct. See also under the heading of Student Government.

PHYSICAL EDUCATION

Hearty encouragement is given to athletic sports and to all kinds of physical culture.

In addition to inter-collegiate athletics the University fosters an unusually extensive program of intra-mural sports, involving over half the undergraduates in a wide variety of games. There are contests in basketball, tag-football, indoor and outdoor baseball, tennis, soccer, quoits, rifleshooting, boxing, wrestling, fencing, and track. Intra-mural teams offer every interested student opportunity for participation in some interesting and healthful form of competition with his fellows, for learning team work and good sportsmanship.

Physical education is required of all freshmen in the afternoons twice each week for the year. A course in hygiene is required of all freshmen once each week for the year.

A thorough physical examination is given to students at the time of entrance. All students are classified on the basis of the examination and effort is made to adapt the program to the individual's particular needs. Particular attention is given to various remediable defects and individual programs are built with the idea of improving or correcting the existing condition.

It is hoped that all students can develop sufficient skill in various recreational activities in order that continued participation in the activity will result.

A well rounded seasonal program of intramural athletics is carried on throughout the year with the idea of supplying recreational opportunity to all members of the student body. Complete schedules are played in a variety of individual and team activities, including tennis, golf, fencing, table tennis, bowling, boxing, wrestling, track and field, quoits, tag-football, indoor and outdoor baseball, basketball, and soccer.

The program of intercollegiate athletics includes a great variety of seasonal competitive games with the idea of promoting maximum participation by members of the student body.

More advanced courses in Physical education are offered to upper classmen who plan to become athletic directors or coaches.

The physical education of women students is under the charge of Mrs. Gladys Angel Beard as Director and a group of administrative officers as a board. Each woman student is carefully examined and tested for the purpose of discovering defects and correcting them. Arrangement for this examination is made when the student registers. Vigorous exercise and recreation are provided by tennis, archery, dancing, track work, basketball, and hockey; and inter-class competition is encouraged.

MEDICAL ATTENTION

In order to provide proper attention for the student during sickness the University employs two full time physicians and maintains a well appointed infirmary. The infirmary is equipped with all necessary conveniences and comforts, and with a modern X-ray unit and laboratory for diagnostic purposes under the direction of a full time technician. It is under the immediate supervision of the University Physician, and is provided with three experienced nurses. At the discretion of the University Physician a student may be admitted to its wards, and for such services as may be rendered by the staff no charges are made. But should any additional service (consultation, special nurses, operations requiring the attendance of a trained surgeon), recommended by the attending physician and approved by the parent or guardian, be necessary, the student will be required to pay for such services.

THE UNIVERSITY LIBRARY

ROBERT BINGHAM DOWNS, A.B., M.S., *Librarian*

The University Library contained on November 1, 1935, 285,568 volumes. It is housed in a new library building completed in July, 1929. The seating capacity is one thousand readers, the present book capacity is approximately 300,000 volumes. In addition to the resources of the general reference rooms, the Library has a collection of 51,213 bound periodicals. Three thousand four hundred and sixty-one current periodicals, newspapers, and transactions of various societies, continuing and supplementing the bound sets, are subscribed for or secured through exchange annually.

Brief instruction in the use of the card catalogue, the periodical indexes, and the reference books generally, is given to new students at the beginning of each year.

Subscribers to the Library are the students and the members of the faculty. Other persons who desire to use the Library may become subscribers upon payment of the regular library fee of $4.00 a year, $1.00 for three months, or 50 cents a month. Persons who are not subscribers may not borrow books on a subscriber's name.

A student who owes the Library for fines or lost books will not receive academic credit until the indebtedness has been settled.

UNIVERSITY ORGANIZATIONS

Below are listed the various organizations in the University in which students find opportunities of advantage outside their regular academic or professional work. Those who are interested are urged to investigate these organizations.

THE SENATE OF THE DIALECTIC LITERARY SOCIETY AND THE GENERAL ASSEMBLY OF THE PHILANTHROPIC LITERARY SOCIETY

The Dialectic and the Philanthropic Literary Societies were organized in 1795, the year of the opening of the University. Their existence has been inseparably linked with that of the University and they have shown remarkable power in developing character, as well as in training the intellect. They offer facilities for practice in debate, oratory, and essay writing; and their members become familiar with parliamentary law and procedure.

In 1919 the Philanthropic Society was reorganized on the plan of the General Assembly of the State and changed its name accordingly. Similarly in 1924 the Dialectic Society after reorganization became the Dialectic Senate.

THE ELISHA MITCHELL SCIENTIFIC SOCIETY

The Elisha Mitchell Scientific Society holds monthly meetings during the college year for the discussion of scientific subjects. A *Journal,* which is the official organ of the Society and of the North Carolina Academy of Science, is issued quarterly. The objects of the society are to encourage scientific research and to record the results of such work, especially those that pertain to the natural history of the State. It is now in its fifty-second year. The volumes already issued contain more than six thousand pages. By the exchange of the *Journal* with more than three hundred scientific journals and periodicals many thousands of books and pamphlets have been collected, all of which are arranged in the University Library. The membership is at present restricted to the faculty and students of the University, and members of the staff of the State Department of Conservation and Development.

THE PHILOLOGICAL CLUB

The Philological Club meets in the lounge of the Graduate Club on the first Tuesday evening of each month during the college year. Its membership consists of the faculty and advanced students in the language and literature departments of the University. The objects of the club are to stimulate original investigation in language and

literature and to afford an opportunity for the interchange of views on subjects relating to such work. At each meeting papers are read and discussed.

DER DEUTSCHE VEREIN

The Verein was established for the purpose of maintaining and stimulating among the officers and students of the University interest in German literature and music, life and customs, progress and achievements. The aim is to employ the German language as much as possible. The effort is made to provide students of German with an opportunity to perfect their pronunciation and to improve their control of the spoken language.

LE CERCLE FRANCAIS

Le Cercle Français holds bi-monthly meetings at which topics of general interest pertaining to French literature and French life, manners, and customs are discussed. The French language is employed exclusively. It is the aim of the club to stimulate interest in the French language, and to provide its members with an opportunity to hear idiomatic French spoken and to use the language with more facility. All officers and students of the University interested in the study of French are eligible for membership.

EL CLUB ESPAÑOL

The membership of *El Club Español* consists of students of the University who are interested in Spanish. The object of the club is to stimulate interest in the language, literature, and customs of Spain, and to give its members an opportunity to hear and speak Spanish.

THE NORTH CAROLINA CLUB

The North Carolina Club was organized September 25, 1914, for the purpose of providing an open forum to review, interpret, and discuss the economic, social, and civic problems of the State. It is an organization composed of students and faculty members who are bent upon accurate, intimate acquaintance with North Carolina. The Club meets for an hour upon fortnightly Monday evenings for the reading and discussion of a paper prepared by a member.

AMERICAN SOCIETY OF CIVIL ENGINEERS

The William Cain Student Chapter

The purposes of the Chapter are to afford the student in Civil Engineering practice in the preparation and presentation of engineering papers, to give a working knowledge of parliamentary law, to develop the ability to speak extemporaneously, and to provide a contact between students, faculty, and visiting engineers.

Membership is open to all students of the Division of Civil Engineering.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

The University of North Carolina Branch

The aims of the Branch are to stimulate interest in modern problems in the various fields of electrical engineering, and to acquaint the student with the profession he is preparing to enter by means of papers presented by student members and practising engineers.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS

The University of North Carolina Branch

The object of the Branch is to assist the student, while receiving training in preparation to practise the profession of mechanical engineering, to gain a proper perspective of engineering work by enabling him to become acquainted with the personnel and problems of those actively engaged in this profession.

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

The University of North Carolina Student Chapter

The Chapter holds fortnightly meetings at which problems of interest to the chemical engineer are discussed by guest speakers. The Chapter sponsors Chemical Engineers' Day on which occasion a series of seminars and public lectures is presented by distinguished visiting chemical engineers. Membership is open to all students interested in chemical engineering.

MUSICAL ORGANIZATIONS

The Department of Music extends its facilities with respect to both faculty and equipment to the support of the musical organizations. In addition a collection of records, scores, books on music, together with phonographs for audition purposes are accessible to all students of the University during certain hours daily; and provision is made for the reception of the weekly broadcasts of symphonies, operas, and other important programs.

The Hill Music Auditorium, seating eight hundred people, with its four manual concert organ, is the home of recitals and concerts by faculty members, students in the department of music, and visiting artists. The Vesper Organ Recitals are given on Sunday afternoons throughout the academic year by Professor Jan Philip Schinhan.

The University Glee Clubs

These organizations are open to all students of the University. The work in the Men's Glee Club and in the Women's Glee Club is carried on as a part of the curriculum in Music. Each group devotes its time to the study and performance of appropriate vocal literature and the

schedule is so arranged that the two groups may join forces for the interpretation of compositions for a mixed chorus. Provision is made for frequent concert appearances of these organizations.

The Chapel Hill Choral Club

The Chapel Hill Choral Club, an informal organization of students, faculty, and townspeople, gives two or three performances each year. In recent years such works as Bach's Christmas Oratorio and Schubert's Mass in E Flat have been given. Rehearsals are held each Monday evening.

The University Symphony Orchestra

The personnel of this organization includes students, faculty, and townspeople. The rehearsals are devoted to the study of standard symphonic literature and several concerts with instrumental and vocal soloists as assisting artists are given during the year. For details concerning credit in orchestra for regularly enrolled students, see the announcement of the Music Department.

The University Band

The band is organized as a regular course in the Music Department, devoted to the study and performance of the standard musical literature for this type of ensemble group. In addition, especially during the fall quarter, the band coöperates with the Athletic Association in providing music for the football games, and usually makes one or more trips with the team. During the winter and spring quarters, as conditions permit, concert tours throughout the state are arranged.

Alpha Rho Chapter of Phi Mu Alpha (Sinfonia)

This chapter of the national honorary musical fraternity is composed of students of music, and such other students and faculty members as reveal particular interest in the participation in musical performance. The members of the chapter act as hosts for all musical events occurring in Hill Music Hall throughout the year. In order to create a fund from which scholarships for worthy students of music may accrue, the Alpha Rho chapter of Sinfonia sponsors each year a concert by a world-famous musical artist.

THE CAROLINA PLAYMAKERS

The Carolina Playmakers is the University dramatic organization. Its purpose, as set down in the Charter, is: "First, to promote and encourage dramatic art, especially by the production and publishing of plays; Second, to serve as an experimental theatre for the development of plays representative of the traditions and present-day life of the people; Third, to extend its influences in the estab-

lishment of a native theater in other communities." It is incorporated under the laws of the State of North Carolina as a non-stock corporation.

The Carolina Folk-Plays and other plays of American locale are written and produced in the University courses in Dramatic Composition and Production, members of the community of Chapel Hill —students, faculty, and townspeople—assisting. Those who contribute to the writing or producing of the plays constitute the membership of the organization. Any student may participate in any of the various departments of the work.

The Playmakers now have their own theatre building on the campus, fully equipped for all manner of experimentation and production. Besides this, their Forest Theatre furnishes an ideal setting for out-of-door productions. They have an adequate workshop for the construction and painting of scenery and for the making of costumes.

The large stage in the University auditorium, Memorial Hall, provides ample facilities for traveling professional companies.

YOUNG MEN'S CHRISTIAN ASSOCIATION

The Young Men's Christian Association is an organization of students which seeks by precept and example to encourage right and wholesome Christian living. In this spirit it endeavors to extend a helping and active influence to every sphere of campus activity.

Not unaware of its essentially religious nature, it strives in every feasible way to make the religion of the campus very real and very genuine, and to uphold the Christian life as the ideal in conduct, thought, and temperament for every man. To those who are so inclined it offers unlimited opportunity for religious service and personal growth.

The Association has very greatly enlarged its program and staff in the past five years, keeping step with progress in all other departments of the University, and with the increase in student enrollment.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The Young Women's Christian Association is a voluntary organization for women students in the University. It is a religious, social, and welfare agency to give opportunity for the individual's development in these extra-curricular areas and to provide specific service to women students. This Association was organized early in 1936 and is affiliated with the Student Young Women's Christian Association movement in the United States. With their duly elected staff of officers and advisory board, the Y. W. C. A. has its regular Cabinet meetings weekly and a public program fortnightly, in addition to a number of committees working on various service projects. All women students in the University are eligible to membership.

EXPENSES

The University reserves the right to make, with the approval of the proper authorities, changes in any fees at any time.

Tuition and Other Fees for Each Quarter

Each student whose *bona fide* residence has not been established in North Carolina for at least the six months immediately prior to his first registration in the University must pay an extra fee of $33.34 for each fall, winter, or spring quarter he spends in residence. The residence of a minor is that of his parents or guardian. The residence of an adult remains with his parents unless he shall have independently set up his own.

Bona fide residence means that the student is not in North Carolina primarily to attend the University and that his status as a resident has not been set up merely as a technical bar to the extra charge. Mere ownership of property or payment of taxes apart from residence does not qualify one as a resident; nor may a student qualify by living in North Carolina the six months immediately prior to his first registration unless he continues so to live during the whole period of his stay at the University.

Students are presumed to know their correct residence status and to state the facts concerning it truthfully on their registration blanks. Students in doubt should appeal their cases in writing to the Dean of Administration, preferably in advance of registration. Students who misrepresent the facts of their residence status for the purpose of defrauding the University will be dealt with as are all other violators of the honor code.

College of Liberal Arts:	Residents of No C.
Tuition	$25.00
*Matriculation	14.50
**Student Publications	2.30
Laundry Deposit	8.50
Student Union fee	1.00
Student Entertainment fee	1.00
Total for each quarter	$52.30

Delayed Registration: The penalty for delayed registration for any quarter is one month of strict attendance probation for each day of delay. Any student registering later than the time appointed for his registration must pay five dollars ($5.00) as an additional fee for delayed registration. No appeal from either attendance probation or the late registration charge of five dollars will be granted, unless

* This fee includes fee for physical education, the library fee, the fee for infirmary service, and the fee for debates.

** This fee includes the following items: Daily Tar Heel $1.28, Yackety Yack .54, Buccaneer .23, and Carolina Magazine .25.

the delay is due to circumstances clearly beyond the student's control. Such an appeal must be made in writing to the Dean of Administration, must show clearly good and sufficient justification for the delay in registering, and must bear the approval of the Dean of division of the University in which the appellant is enrolled.

LAUNDRY DEPOSIT: Students will be required to send their washing to the University Laundry for which a deposit will be collected at the time of registration.

LABORATORY FEES: Each student taking a laboratory course must pay, in addition to his tuition fee, a small fee for power or materials used in the laboratory. The fees for the various laboratory courses are shown in connection with the descriptions of the courses.

TRANSCRIPTS OF RECORD: One transcript will be furnished without charge. Additional transcripts will be furnished only upon payment of $1.00 for each copy.

GRADUATION FEE: The graduation fee is $5.00 payable when application for the degree is made.

Dormitory Accommodations for Men

Accommodations for approximately fourteen hundred students are available in the University dormitories.

All rooms in the dormitories are completely furnished. Students will, however, provide their own pillows, bed linen (for single beds), blankets, and towels.

Room rent ranges from $5.25 to $10.00 a month for each occupant, the price depending upon the location of the room. This charge includes light, heat, and service. Rooms are leased for the scholastic year. See p. 35 for assignment of rooms.

Residence for Women

The Cornelia Phillips Spencer Building is the main dormitory for women. There is also a special dormitory for the use of graduate women. Women not living in their own homes are required to reside in a dormitory unless permission to live elsewhere is granted by the Adviser to Women, Mrs. M. H. Stacy. Ordinarily such permission is granted in exceptional cases only.

Rooms in the dormitory are rented upon the basis of the full session; but the bill is payable in two installments, September 1 and February 1. The rooms are completely furnished. Students will provide, however, pillows, bed linen (for single beds), blankets, and towels. All persons living in the dormitory are required to board there also.

The cost of room and board for the session is $283.00 if the student shares a double room, or $328.00 if the student occupies a single room. Details of the payments to be made for room and board may be found in the Handbook for Women Students or by correspondence with Mrs. M. H. Stacy.

PECUNIARY AID

FELLOWSHIPS AND SCHOLARSHIPS

The Ledoux Fellowship in Chemistry. (Established in 1911 by Dr. Albert R. Ledoux). The holder is expected to devote himself to research in chemistry. This fellowship is endowed, and yields $300 annually.

The Graham Kenan Fellowship in Philosophy. (Established in 1921 by Mrs. Graham Kenan). A fellowship supported by the income from an endowment of twenty-five thousand dollars, in memory of an alumnus and trustee of the University. This fellowship is awarded annually by Professor Henry Horace Williams.

The Moore Scholarships. (Established in 1881). Bartholomew Figures Moore, of Raleigh, bequeathed $5,000, the interest of which shall be devoted to paying the tuition of students.

The Mary Ruffin Smith Scholarships. (Established in 1885). Miss Mary Ruffin Smith bequeathed to the University in memory of her brother, Dr. Francis Jones Smith, a valuable tract of land in Chatham County of 1,460 acres, known as Jones' Grove. The will provides that rents of the land, or the interest on the purchase money if sold, shall be used to pay the tuition of such poor students as the Faculty shall appoint.

The Mary Ann Smith Scholarships. (Established in 1891). Miss Mary Ann Smith bequeathed $37,000 for the foundation of scholarships, the number of scholarships to be determined by the amount of the income.

The Cameron Scholarships. (Established in 1892). The heirs of Paul Carrington Cameron founded in his memory ten scholarships of the value of $75 each.

The Speight Scholarships. (Established in 1892). The late Mrs. Mary Shepherd Speight bequeathed $10,000 to the University. The income shall be used to pay the tuition of needy students; but if tuition is ever made free, the income shall be used toward paying the salaries of professors.

The Wood Scholarship. (Established in 1892). Mrs. Mary Sprunt Wood, of Wilmington, has founded, in memory of her late husband, Dr. Thomas Fanning Wood, a scholarship of the value of $75.

The Dialectic and Philanthropic Literary Societies' Scholarships. (Established in 1893). The Dialectic and Philanthropic Literary Societies of the University founded two scholarships of the value of $75 each, recipients of which shall give assistance in the Library.

THE WEIL SCHOLARSHIP. (Established in 1898). A fund established by Mr. Henry Weil, of Goldsboro, furnishes one scholarship of the value of $75.

THE ARMFIELD SCHOLARSHIPS. (Established in 1901 and 1904). These scholarships were founded by the generosity of the late Mr. Eugene M. Armfield, of High Point, N. C., a member of the class of 1888.

THE KENNETH MURCHISON SCHOLARSHIPS. (Established in 1904). These scholarships have been founded by Mrs. Shirley Carter, of Baltimore, Md., and the late Mrs. James Sprunt, of Wilmington, N. C., in memory of their father. They are awarded by the founders.

THE DONALD FAIRFAX RAY SCHOLARSHIP. (Established in 1919). Mrs. N. W. Ray, of Fayetteville, N. C., has established this scholarship in memory of her son, Donald Fairfax Ray, a graduate of the University, who died while in the service of his country.

THE HOLT SCHOLARSHIPS. (Established in 1920). Four scholarships are maintained by the income from the Holt Loan Fund, established by Mr. Lawrence S. Holt, Jr. They are awarded by the Committee on the Holt Fund, to a member of each of the four classes in the Academic Department. Applications are considered after the opening of the University in the fall.

The ALUMNI SCHOLARSHIPS. These scholarships have been established by the gifts of Alumni, and they vary in stipends according to the funds in hand.

THE R. H. LEWIS SCHOLARSHIPS. Four scholarships, endowed by the University Gymnasium Association, and called The R. H. Lewis Scholarships, are assigned by the President, and are good for tuition in the Academic Department.

THE MRS. AUGUSTUS H. JONES SCHOLARSHIP was created by a gift of two thousand dollars from Mrs. James H. Parker, of New York City, the income to be used for one scholarship. The recipient of this scholarship is to be designated by Mrs. James H. Parker during her life and thereafter upon the recommendation of the New York Chapter of the United Daughters of the Confederacy. Failing this recommendation from either source, appointment is to be made by the President of the University, preference being given first to relations of the late Dr. James H. Parker, of New York, and second to relations of the donor.

THE GEORGE NEWBY TOMS SCHOLARSHIPS. (Established 1926). Mr. C. W. Toms, in memory of his son, George Newby Toms, has granted the income from a fund of $5,000 as scholarships to worthy students, preference being given to students from Durham and Perquimans counties in North Carolina.

THE GENERAL ROBERT RANSOM SCHOLARSHIP. This scholarship to the value of $200 is awarded each year to a lineal descendant of a Confederate Veteran. It is awarded and controlled by the United Daughters of the Confederacy in North Carolina.

THE JEFFERSON DAVIS ESSAY SCHOLARSHIP. Awarded each year by the United Daughters of the Confederacy in North Carolina to the high school graduate who writes the best essay on Jefferson Davis. Value $200.

WILLIAM BLOUNT RODMAN SCHOLARSHIPS. Two scholarships assigned to students at the University from the memorial trust fund created by Colonel W. B. Rodman in memory of his father, William Blount Rodman. They are assigned by the State Superintendent of Public Instruction, Trustee of the fund.

THE DANIEL G. FOWLE SCHOLARSHIP. One scholarship, founded in 1928 by Mrs. Walter F. Stearns (Mary H. Fowle) in memory of her father, Governor Daniel G. Fowle. Mrs. Stearns reserves the right to award the scholarship to a member of her own family; otherwise it will be awarded by the Superintendent of the Raleigh Schools and the Principal of the Raleigh High School to one Raleigh student on the basis of merit, character, and scholarship. Value annually $100.

THE GRAIL SCHOLARSHIP. One scholarship is maintained by the interest from the Grail Loan Fund, and is awarded each fall to that member of the entering class who as a senior in a North Carolina high school made the highest score on the state-wide examination conducted by the North Carolina College Conference.

THE MARY K. BROWN MEMORIAL SCHOLARSHIP. (Established in 1931). A fund was established by Mrs. James M. Brown in memory of her daughter, who served with unusual devotion as Secretary of the School of Commerce of the University. The Scholarship is awarded to a worthy student who is dependent upon his own efforts to secure an education.

None of these scholarships is open to students in the Schools of Law, Medicine, Pharmacy, and Library Science. For scholarships open to students in these Schools, please see the special bulletins of the schools.

This list does not include certain annual contributions for scholarships, which are not on an endowment basis.

All applications for scholarships must be filed in the office of the Dean of Administration on or before April fifteenth, and must be in the regular form prescribed by the University. Blank forms are supplied on application to Dean R. B. House.

FREE TUITION

Free tuition is given to indigent residents of North Carolina who are also under bodily infirmity.

LOAN FUNDS

The Deems Fund. (Established in 1879). A fund of $600 was established by Rev. Charles Force Deems, D.D., late pastor of the Church of the Strangers, New York City, formerly a professor in the University, in memory of his son, Lieut. Theodore Disosway Deems. In 1881 the gift was greatly enlarged through the munificence of Mr. William H. Vanderbilt by a gift of $10,000 "as an addition to the Deems fund, to be loaned to indigent students of the University."

The Martin Fund. This fund has been established by the bequest of Mr. Thomas D. Martin, of Raleigh. Only the interest of the fund can be used for loans. It became available during the session of 1908-1909.

The Hogue Fund. A fund of $4,000 has been established by the Rev. R. W. Hogue, of Baltimore, the income from which is to be loaned to worthy students in the University.

The Hewitt Fund. A fund of $18,700 was established in 1916 by the bequest of Mr. Joseph Henry Hewitt, of Princess Anne County, Virginia. Only the income from this fund can be used for loans to "needy and deserving students" of the University. This fund became available during the session of 1919-1920.

The Holt Fund. A fund of $10,000 has been established by Mr. Lawrence S. Holt, Jr., of Burlington. The principal of this fund is to be loaned to "worthy and needy students of the University." The income from this fund is to be used in establishing four scholarships in the University. It became available during the session of 1920-1921.

The Victor S. Bryant Fund. A fund of $7,500 has been established by the bequest of Mr. Victor S. Bryant, of Durham. The principal and the interest of this fund can be used for loans to "worthy and needy young men" at the University. This fund became available during the session of 1920-1921.

The Masonic Loan Fund. A fund of $1,250 has been established by the Grand Lodge of Masons, the Grand Chapter of Royal Arch Masons, and the Grand Commandery of Knights Templar of North Carolina, for the purpose of "assisting worthy boys and girls to secure an education." The principal of this fund is loaned, and the interest is added thereto. The fund became available in the fall of 1922, and has since been increased.

The Seely Fund. A fund of $1,000 has been established by Mr. F. L. Seely, of Asheville, the principal of which is to be loaned to worthy and needy students, and the income therefrom to be added to the principal. This fund became available during the fall of 1922.

The E. S. BLACKWOOD MEMORIAL LOAN FUND, created by bequest of Miss Katherine B. Blackwood, of New York City. This fund consists of $10,000 "to be used as a loan fund for needy students." This fund is administered in the same manner as the Deems fund.

THE A. B. ANDREWS LOAN FUND. In May, 1925, the five children of the late Colonel A. B. Andrews (William J. Andrews, class of 1891; Alexander B. Andrews, class of 1893; Mrs. W. M. Marks; John H. Andrews, class of 1897, and Graham H. Andrews, class of 1903) established a fund of $2,500 of which the principal and interest are to be loaned to worthy students. This fund has been increased to $4,500 through the subsequent gifts from Mr. Alexander B. Andrews, of Raleigh, N. C. The A. B. Andrews Loan Fund is administered as are other loan funds from the University and is established as a memorial to Colonel A. B. Andrews, a noted railroad builder in North Carolina and a Trustee of the University. It is requested by the donors that assistance from this fund be rendered first to students from those counties of North Carolina in which Colonel Andrews built railroads and second to those counties through which lines of the S. A. L., Norfolk-Southern, and Southern railway systems run.

THE J. E. LEAR FUND. This fund of $5,244 became available in 1924 as a fund upon which students in the School of Engineering, especially students in electrical engineering, would have first claim. The fund was the result of installation work done by the senior class in electrical engineering under the supervision of Professor J. E. Lear.

THE JOSEPH E. POGUE LOAN FUND. The fund of $1,000 was presented to the University in April, 1930, by Mrs. Joseph E. Pogue as a memorial to her husband, the late Mr. Joseph E. Pogue, the fund to be known as the Joseph E. Pogue Loan Fund. The principal and interest are to be loaned to deserving students.

THE EDMONDS LOAN FUND. The fund of a little over $800 has been set up by the Class of 1910 as a memorial to W. R. Edmonds, a member of that class.

GRAIL LOAN FUND. In June, 1930, the Order of the Grail, an undergraduate organization at the University of North Carolina, gave $1,400 to be known as the Grail Loan Fund. The principal of this fund is to be loaned to worthy students and the income is to be used as the Grail Scholarship. This scholarship, at present a cash award of $60, is to be made each fall to that member of the entering class who as a senior in a North Carolina high school made the highest score on the annual State-wide examination conducted by the North Carolina College Conference.

The Alumni Loyalty Loan Fund. Established on June 30, 1930, by the advance of $12,200.00 out of the Alumni Loyalty Fund.

The Alden Joseph Blethen III Memorial Lending Fund. During the fall of 1930, Col. C. B. Blethen, of Seattle, Wash., gave $2,000 to be known as the Alden Joseph Blethen III Memorial Lending Fund. This he did as a memorial to his son, A. J. Blethen III, a member of the Class of 1934. The principal of the fund is to be loaned to deserving students.

The Rockingham County Alumni Loan Fund. A fund of $713.32 advanced by the Rockingham County Alumni Association, available since January 11, 1932. It may be recalled by the lender as it may desire.

Escheats Fund. According to State law, clerks of court are directed to forward to the University money included in estates for which no heir can be discovered. For these funds the University is merely custodian for a period of years during which any heir discovered may legally claim the funds. During this period the money is placed in the Student Loan Funds as a temporary investment.

The Charles L. Coon Memorial Loan Fund. A fund of $615.00 established by the administrators of the Charles L. Coon Memorial Loan Fund of Wilson, North Carolina, in September, 1934. The funds to be loaned to graduates of the Charles L. Coon High School of Wilson, North Carolina, upon the written approval of the Superintendent and the Chairman of the Board of Trustees of said high school.

The Charlotte Kiwanis Club Loan Fund. A fund of $325.00 established by the Kiwanis Club of Charlotte, North Carolina, in 1935. Loans to be made to students from Mecklenburg County, North Carolina, who have successfully completed at least two years of college work at the University, and who have the written approval of the loan committee of the Charlotte Kiwanis Club.

The Emergency Student Loan Funds

In the winter and spring of 1932, the University confronted a genuine emergency growing out of an announced reduction of state appropriations by 30%, and the fact that between five hundred and seven hundred students were without funds with which to continue their course. When this situation was presented by President Graham, students ($2,057.14), faculty ($2,035.38), the people and community organizations of Chapel Hill ($970.22), various chapters of the D. A. R., U. D. C., and other committees of women, began building a student loan fund. Alumni and friends of the University everywhere contributed to raise the total of new loan resources to $109,000.00, known collectively as "The Emergency Student Loan Fund." The portions of that fund which for some appropriate reason were separately established are listed below. Unless otherwise indicated, the funds are loaned on the same terms as is the Deems Fund.

THE W. C. COKER LOAN FUND. A fund of $500.00 established February 2, 1932, by Dr. W. C. Coker, head of the Department of Botany of the University.

THE JESSIE KENAN WISE LOAN FUNDS. A loan fund of $25,000.00 established February 4, 1932, by Mrs. Jessie Kenan Wise, of Wilmington, N. C., and another loan fund of $47,000.00 in securities, the income from which may be loaned to students immediately, and the principal may be similarly used when available through the sale of the securities as opportunity for sale on favorable terms may arise.

THE BURTON CRAIGE LOAN FUND. A fund of $1,000.00 established February 6, 1932, by Mr. Burton Craige, 1897, of Winston-Salem, N. C.

THE JAMES A. GRAY LOAN FUND. A fund of $500.00 established February 15, 1932, by Mr. James A. Gray, '08, of Winston-Salem, N. C.

THE BLAIR LOAN FUND. A fund of $500.00 established March 2, 1932, by Col. David H. Blair, '98, and Mrs. David H. Blair, of Washington, D. C.

THE SARAH WATTS MORRISON LOAN FUND. A fund of $1,000.00 established March 4, 1932, by Mrs. Sarah Watts Morrison of Durham and Charlotte, N. C.

THE STUDENT LOAN FUND OF THE NORTH CAROLINA CONGRESS OF PARENTS AND TEACHERS, INC. A fund of $750.00 loaned to the student loan funds by Mrs. J. W. Burke, Treasurer, by authority of the organization named above.

THE SARAH GRAHAM KENAN LOAN FUND. A fund of $1,000 established March 7, 1932, by Mrs. Sarah G. Kenan, of Wilmington, N. C., to be used first by a designated student. When repaid, Mrs. Kenan will indicate its further usage.

THE MILO M. PENDLETON LOAN FUND. A fund of $1,000.00 established March 15, 1932, by Mrs. Katherine Pendleton Arrington as a memorial to her brother, Milo M. Pendleton, of the Pharmacy Class of 1902.

THE RICHMOND, VIRGINIA, ALUMNI ASSOCIATION LOAN FUND. A fund of $320.00 given by the organization named above with the request it be set so as to receive annual additions from the donors. It has been available since March 29, 1932.

THE LOAN FUND OF THE WOMAN'S AUXILIARY, N. C. PHARMACEUTICAL ASSOCIATION. A fund of $150.00 given by the above named organization, through its president, Mrs. F. W. Hancock, of Oxford, N. C. This fund has been available for Pharmacy students at the University since April 8, 1932.

The Edrington Spencer Penn and Charles Ashby Penn, Jr., Loan Fund. A fund of $1,000 established April 14, 1932, by Mrs. Charles Ashby Penn of Reidsville, North Carolina.

The C. W. Toms Loan Fund. A fund of $1,000.00 established May 19, 1932, by Mr. C. W. Toms, '89, of New York City, in memory of his son, the late George Newby Toms, '28.

The Margaret McCaull Carmichael Loan Fund. A fund of $1,000.00 established by Mr. W. D. Carmichael, '97, on May 25, 1932. Mr. Carmichael is a resident of Durham, N. C., and New York City.

The Jefferson C. Bynum Memorial Loan Fund. A trust fund established by Mrs. Jefferson C. Bynum in memory of her husband. The fund of $2,000.00 to be held in trust for the future education of her two sons, Jefferson C. Bynum, Jr., and Rufus S. Bynum. Pending the matriculation of the beneficiaries at the University, the fund may be loaned to University students.

The Annie Louise Watts Hill Loan Fund. A fund of $1,000.00 established by Mr. John Sprunt Hill, of Durham, N. C., on June 4, 1932, as a memorial to his wife.

The George Basley Hiss Loan Fund. A fund of $10,000.00 established by Mrs. Bertha T. Hiss, of Charlotte, N. C., in memory of her husband, George Basley Hiss. This fund has been available since June 30, 1932.

Applications for Loans

Applications for loans will be considered when made in person by students registered in the University. The funds are limited in amount and are loaned only on the security of two approved signatures and at the legal rate of interest. Application should be made to the Student Loan Fund office as far in advance as possible.

Self Help

Many students are now working their way through college by every form of honorable labor. A number are here as a result of money earned or borrowed. Students are selected by the authorities as clerks in the University Library and as helpers in the University Laundry and Buildings Department. Otherwise all opportunities available in the University and town must be secured by the personal efforts of the individual, with the assistance of the Self-Help Bureau of which Mr. Edwin S. Lanier is secretary. They are not assigned by the President of the University nor by the Dean of Administration nor by the Dean of Admission nor by the Dean of Students. Application should be made direct to the Self-Help Bureau of the Y. M. C. A. before May 15, after which time the assignments to the Library, the Laundry, and the Buildings Department are made.

MEDALS AND PRIZES

The Mangum Medal in Oratory. (Established in 1878). A gold medal founded by the Misses Mangum, late of Orange County, in memory of their father, Willie Person Mangum, class of 1815, is continued by his granddaughter, Mrs. Stephen B. Weeks, and his great-grandson, Mr. Julian Turner, and is awarded to that member of the Senior Class who during his four years prior to graduation has best exhibited the qualities of oratory, debate, and scholarship.

The Eben Alexander Prize in Greek. (Established in 1887). A prize of $10 is offered annually to that member of the Sophomore Class who shall present the best rendering into English of selected passages of Greek not previously read.

The Kerr Prize in Geology and Mineralogy. (Established in 1889). A prize of $50 is offered annually by Mr. William H. Kerr in memory of his father, Professor Washington Carruthers Kerr, to any undergraduate or graduate student for the best thesis containing original work in the geology or mineralogy of North Carolina.

The Bingham Prize in Debate. (Established in 1899). This prize is offered by Mr. R. W. Bingham, in memory of his great-grandfather, grandfather, father, and brother. It is given annually, for excellence in debate. The contestants are representatives of the Literary Societies, and the contest is held during Commencement.

The Bryan Prize in Political Science. (Established in 1903). A prize will be given annually for the best thesis in Political Science. The fund was established by the late William Jennings Bryan.

The Archibald Henderson Prize in Mathematics, formerly the William Cain Prize. (Established in 1908). A gold medal is offered annually to that student who shall take the highest rank in Mathematics 32-33. No student will be recommended for the prize unless he attains to grade B.

The Mildred Williams Buchan Prize. (Established in 1920). A fund of one thousand dollars was given by Mr. Edward Robertson Buchan in memory of his wife. The income of this fund is to provide a prize in the Department of Philosophy.

The Patterson Medal. (Established in 1924). A gold medal is offered annually by Lieutenant Commander D. F. Patterson, U. S. N., Mr. Albert F. Patterson, and Dr. Joseph F. Patterson to commemorate the memory of their brother, John Durant Patterson. This medal is awarded for general excellence in athletics to a student selected by a special committee.

Chi Omega Prize in Sociology. A prize of twenty-five dollars is awarded by the local chapter of the Chi Omega fraternity to the undergraduate woman student who writes the best paper on some subject in the field of sociology or public administration. The subject will be submitted to the undergraduate student body some time before the fifteenth of February. Papers are required to be handed in by the fifteenth of May. The Department of Sociology will select the subject and act as judges of the papers. The prize will be awarded at Commencement.

REGULATIONS

SPECIAL NOTICE TO STUDENTS

This catalogue, issued in the spring of each year, is intended to give such a description of the work of the University and such a digest of its rules as are needed by students. Neither the courses announced nor the rules given are valid beyond the succeeding year, for before the end of the succeeding year a new catalogue will have been issued, superseding all previous catalogues. Ordinarily a student may expect to be allowed to secure a degree in accordance with the requirements of the curriculum laid down in the catalogue in force when he first entered the University, or in any one subsequent catalogue published while he is a student; but the faculty reserves the right to make changes in curricula, as in rules, at any time when in its judgment such changes are for the best interests of the students and the University.

REGISTRATION

All students are expected to present themselves for registration *Wednesday or Thursday, September 16 or 17, 1936, between the hours of 9 a. m. and 5 p. m., at the places announced in the plan for registration. All men registering here for the first time will report for physical examination to the Infirmary; all women will consult Mrs. M. H. Stacy, Adviser to Women, in her office in the South Building, second floor. Bills for tuition and fees are payable at the time of registration. For the winter and spring quarters all academic students must register in December and March according to a schedule published immediately before the examinations for the fall and winter quarters begin.

Registration for credit for any course is limited to the first seven calendar days of a quarter, unless the late registration is approved by the instructor concerned, the Dean, and the Administrative Board (or the Special Faculty) of the school.

PAYMENT OF BILLS

Bills for the fall quarter are payable at the time of registration. Bills for the winter and spring quarters are payable at the Business office on the first class day of the quarter. Failure to pay or to make proper arrangements for payment results in the assessment of an extra fee of $5.00.

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* Students transferring from other institutions should have transcripts of their former records sent at least two weeks in advance to the Dean of Admissions, and should present themselves for registration on Wednesday, September 16, 1936.

DELAYED REGISTRATION

The penalty for delayed registration for any quarter is one month of strict attendance probation for each day of delay. Any student registering later than the time appointed for his registration must pay five dollars ($5.00) as an additional fee for delayed registration. No appeal from the imposition of either attendance probation or the late registration charge of five dollars will be granted, unless the delay is due to circumstances clearly beyond the student's control. Such appeals must be made in writing to the Dean of Administration, must show clearly good and sufficient justification for the delay in registering, and must bear the approval of the Dean of the division of the University in which the appellant is enrolled.

ARRANGEMENT OF COURSES

Attention is called to the reduction of credit for freshman and sophomore courses when taken late in the student's career. Only half credit is allowed if a regular freshman course is taken after a student begins his seventh quarter or if a regular sophomore course is taken after he begins his tenth quarter.

No student will be allowed to take fewer than fifteen credit hours a week. A load up to eighteen credit hours a week may be taken without any restrictions; one of nineteen or twenty credit hours a week requires a scholastic average of at least C in the preceding quarter; one of twenty-one or more credit hours a week requires a scholastic average of at least B in the preceding quarter *and* the approval of the Dean.

Students desiring to change their courses must make written application to the Dean for the desired changes. The application will be considered by the Dean and will be granted only after a careful consideration of the facts in each case. The written permission of the Dean must be presented at the office of the Assistant Registrar, room 8, the South Building, and payment must be made of the fee of twenty-five cents for each item of change. *Changes in registration are limited to the first seven calendar days of a quarter.*

ASSIGNMENT OF ROOMS

The rooms in the University dormitories are assigned to students by the Cashier in the order of application, subject to the special regulations given below.

The University reserves the right to require any student whom for any reason it considers an undesirable tenant to vacate a room in the University dormitories.

In order to retain his room for the next scholastic year, a student must file with the Cashier before May 25 an application and a deposit of $5.00 as an option. Double rooms must be applied for by both

intending occupants. The rooms thus applied for will be retained until September 1, when first payment of rent is due. The option deposit will be forfeited in case the applicant does not himself occupy the room and pay the rent. Rooms not applied for or made vacant by failure to pay at the proper date will be assigned in the order of application.

The right to occupy a room is not transferable and terminates with the expiration of the lease. Any attempt on the part of an occupant of a room to sell or transfer his right to occupancy shall be deemed a fraudulent transaction. The penalty for violating this rule shall be the forfeiture of the room by the new lessee.

The occupant of a room will be held directly responsible for any damage done to the furniture in his room or to the room.

No dogs shall be kept in the University dormitories. Breach of this regulation leads to forfeiture of the room.

CONDUCT

By order of the Board of Trustees the Faculty is directed to discipline or dismiss from the University any student who is known to engage in drinking intoxicating liquors, gambling, hazing in any form (presence at hazing is regarded as participation), or to be guilty of dissolute conduct. See also Student Government, page 13.

Students persistently neglectful of duty, or addicted to boisterous conduct or rowdyism may be required to leave the University.

Students, unless *bona fide* residents of Chapel Hill, when suspended from the University for disciplinary reasons, must leave the campus and Chapel Hill within forty-eight (48) hours or forfeit the right to readmission at any time.

ATTENDANCE

Due to the policy under which courses are given in the University, namely lectures, daily work, quizzes, and short final examinations, regular attendance upon meetings of classes is considered very important and is considered a student obligation.

Beginning with the spring quarter, 1936, the responsibility for attendance is in the hands of the instructors in the various courses. Departments may make uniform regulations governing attendance if they so desire.

Instructors in all cases are expected to keep a daily record of attendance and to report to the Associate Registrar the name of any student who has been absent three consecutive meetings of a class.

Instructors are expected to warn a student who has been absent more than seems reasonable. Further absences give instructors the right to request the Dean concerned to exclude such a student from the class. If the Dean knows extenuating circumstances he must confer with the instructor before the student is actually excluded.

Any student who has attained the honor roll during two successive quarters shall be exempt during the ensuing quarter from the regulations governing absences and shall be exempt thereafter so long as that student maintains the honor roll average. To the foregoing regulation there are to be the following exceptions: (a) the privilege of absences does not apply to requirements of attendance relative to written or laboratory work or to quizzes and examinations; (b) the privilege earned by the student shall be forfeited if that student is absent without excuse immediately before or immediately after holidays.

Departments or instructors may, on occasion, permit the student to attend or engage in an educational activity other than that of the class as a substitute for class attendance.

The Deans are expected to use their best judgment in the matter of allowing a student to remain in residence after having been dropped from one or more classes. The Deans will also coöperate with the instructors in bringing students to a realization of the consequences of excessive absences.

It is the duty of instructors to report to the Associate Registrar all absences occurring at the *beginning of each quarter and all those occurring immediately before and immediately after holidays. The penalty for such absences is loss of membership in the student body. Favorable action (for good cause) by the Committee of Deans is necessary before the student may be readmitted to the University.

Absences from class attendance for cause may be excused. Such absences are those due (a) **to participation in recognized University activities, as those of the Glee Club, Debating and Athletic teams, and the Playmakers when occurring away from Chapel Hill, such excuses to be issued by the Assistant Registrar; (b) ***those due to actual illness, testified to by the physician who attended the student in person during illness; and (c) **those due to emergencies caused by extraordinary circumstances, when excused by the Dean of the School concerned.

The Assistant Registrar will furnish to the student upon request for the information of instructors a record of days he has been excused.

Any student who is absent from a quiz or an examination at the appointed time thereof without excuse as defined above will not be permitted to make up this quiz or examination. Any department may impose a fee not exceeding one dollar ($1.00) upon the student having excuse for such absence for the privilege of taking a special quiz or examination or a make-up laboratory exercise.

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* The Departments are expected to coöperate with the Deans in getting classes accurately organized by remaining on duty the whole day for the first few days of each quarter.

** Such unauthorized leave of absence must be secured in advance.

*** Excuses for illness must be reported within forty-eight hours from time of the beginning of the illness.

No student unless exempted by having attained the honor roll privileges of optional attendance shall be given credit in the University for any course unless that student has attended at least 75 per cent of the class meetings of the course during the quarter in which it is offered.

Departments may require students who have been absent, whether the absences are excused or not, to make up work covered during the periods thereof.

Other Regulations Governing Attendance

The grade of a student who quits a course without the permission of the Dean of his College or School is recorded officially as F.

The grade of a student who drops a course in which he is failing at that time shall be recorded as F, unless, in the judgment of his Dean, the reason for his failure be circumstances clearly beyond his control.

No student is allowed to absent himself from the University without written permission as provided above. This permission may, at the discretion of the executive officer, be granted only upon the formal request of the parent or guardian.

EXAMINATIONS

Regular written examinations are required at the end of each quarter in all courses except those the nature of which is such as to make written examinations unnecessary. Approval of such exceptions must be secured in advance from the Dean of the College.

Before receiving his degree each senior in the College of Arts and Sciences is required to pass to the satisfaction of his major department an examination in the field of his major study. Such a comprehensive examination may be taken by a student only once in any one quarter and may not be taken until the student has completed at least two-thirds of the work required for the major. This rule became effective with the class receiving degrees in June, 1930.

Special examinations may be taken by students, who have received the condition grade (E), at the period of the special examinations in September. Provided he has no conflict with a course regularly taken by him in the quarter such a student may take the examination with the class in the same subject at any regular quarter examination within a year after he has made the grade E. A senior who makes a grade of E in his last quarter of residence is allowed to take a special examination for removal of the E not earlier than three days after his last examination in that period of examinations. The grade E becomes F if the student fails to pass the reëxamination whether taken in September or at a regular period.

Under no circumstances may a student stand a special examination to remove a condition grade (E) between the first and the last class

days in any quarter unless such examination is requested by the Committee of Deans.

Special examinations for students who have been officially excused from regular examinations on account of sickness or have been absent on account of some necessary cause may be held at suitable times fixed by the Recorder and the instructors concerned. Such examinations must be taken within twelve (12) months of the date of absence.

To be entitled to take a special examination within a quarter, or at the September period, or at a regular quarter examination period, the student is required to file with the Recorder at least one week prior to the time for the examination a written notice that he desires to take such examination.

Final examinations except in laboratory practice may not be held at any times other than those specified in the preceding regulations.

No examinations may be held later than 6:30 p.m.

All examinations must be held in Chapel Hill.

Examinations should be limited to a period of two hours. In courses in which a considerable portion of the examination is of a *practical* nature, the instructor may extend the time in his discretion.

No students other than the following may take the examination in any course: 1st—regularly enrolled members of the class whose names have been reported from the Recorder's office to the instructor as having registered in due form for the course; and 2nd—those whose names have been reported from the Recorder's office as having the right to take special examinations on that course.

Students absent from an examination without an official excuse or present and failing to submit examination papers are reported "absent." This mark is equivalent in every respect to grade F or failure, and is so reckoned in the office of the Registrar.

Each student is required to subscribe his name to the following pledge or its equivalent on every paper: "I hereby certify that during this examination I have neither given nor received aid." The instructor should not report a grade for any student whose examination paper lacks this pledge.

Papers handed in at a special examination by students who have been officially excused from the regular examination will be graded; all others will be marked "passed" or "failed."

Schedules of examinations at the ends of the terms and in September are to be so arranged that examinations set for the last day of the period shall be set for the first day of the next period.

The order of examinations for the removal of conditions in September, 1936, will be as follows:

Monday, September 14

8:30 a. m. Economics
Romance Languages
Zoology

11:00 a. m. Music
History
Mathematics
Polit. Science

2:00 p. m. Education
English
German

4:30 p. m. Compar. Literature
Greek
Physics
Sociology

Tuesday, September 15

8:30 a. m. Geology
Psychology
Rural Economics

11:00 a. m. Botany
Engineering
Latin

2:00 p. m. Chemistry
Commerce
Philosophy

STANDING

After the close of each quarter reports of the standing of all students in all their studies are sent to parents or guardians. The reports are based upon the following system of marking:

Grade A, Excellent.
Grade B, Good.
Grade C, Fair.
Grade D, Barely passed.
Grade E, Conditioned.
Grade F, Failed.
*Grade I, Work incomplete.

When a student has shown marked deficiency in the use of English in any course, his grade in that course may have attached a "composition condition" (cc). This condition, while not affecting a student's eligibility for continuance in the University, must be removed before final credit will be allowed. Such conditions may be removed by the subsequent completion of the regular freshman courses in English, by passing a special examination (offered each quarter by the Department of English for this purpose), or by completing the non-credit course in elementary English composition.

A student must attain a grade of D to pass in any study, Grade E indicates that the student is conditioned but may remove the deficiency by special examination as explained above. Students receiving grade F must repeat the study to receive any credit for the same.

* The grade I may be converted into one of the other grades by completing within a period of twelve months such additional assignments as may be required by the instructor in the course. A grade of I not so converted becomes F.

Any student, after conference with the instructor concerned may appeal from a course grade provided the appeal is presented in writing to the Dean of Administration within thirty regular college days after the grade has been recorded. The Dean of Administration, after bringing the appeal to the attention of the head of the department concerned, will refer it to the Administrative Board of the College. The Board's decision shall be final.

To be eligible for graduation a student must secure the grade of C or higher on at least half of his work.

Interpretation of this ruling:

(1) A student who completes the required courses but with grades which do not entitle him to his degree will be allowed to take additional junior-senior courses until such time as he meets the requirement of the rule.

(2) Transfers with advanced standing will come under this rule only for those courses pursued at this Institution; but it is expected that at least 50% of the work offered for advanced credit shall be of grade C (one degree above the passing mark) or better.

A student to be ranked as a Sophomore must have passed at least thirty-six quarter hours; to be ranked as a Junior, at least seventy-eight quarter hours; to be ranked as a Senior, at least one hundred, thirty-six quarter hours.

Undergraduate students, in order to be eligible to continue in the University, must qualify according to the following requirements: A freshman must pass some *academic work in each quarter, and a total of at least thirty quarter hours before beginning his fourth quarter. After the freshman year (three quarters) a student must pass at least ten hours each quarter. Ineligible persons are not to be considered members of the University. In case a student has been handicapped by circumstances beyond his control, he may appeal for readmission to the Committee of Deans by means of a written petition stating his case and sent to the Registrar's office. Deficiencies may be made up by correspondence work or in the summer session, in which case only credits exceeding five hours credit so obtained shall count for readmission. In three quarters, therefore, a freshman must pass at least thirty hours, or thirty-five if he is making up a shortage by correspondence work or in the summer session; and one above freshman year similarly must pass at least thirty hours or thirty-five if he is making good a deficiency by correspondence work or in the summer session.

No student who fails to qualify under the above regulations may be readmitted to *any division* of the University except by a special

* For the purpose of this rule freshman courses in hygiene and physical education are not included in "academic work," but they may be counted in the total of thirty quarter hours required in three quarters. In case a freshman is exempt from the requirement of physical exercise, the number thirty is reduced by one quarter hour for each quarter he is exempt.

vote of the faculty or a delegated committee of the faculty. This delegated committee of the faculty will meet at 10:00 a.m. on the *last* Saturday in July, at 10:00 a.m. on the second day *before* the stated registration day at the opening of each quarter, and at 10:30 a.m. on the second day *after* the stated registration day at the opening of each quarter to consider written petitions of students who have definite and convincing reasons on which to base a request that the rule be waived. All petitions, except those of students in Law, Medicine, and Pharmacy, should be sent to the Associate Registrar *in writing* and, to be considered, must be in hand *before* the stated meetings in that quarter in which the student seeks readmission. *Notice is given that the rule may be waived only once for any individual.*

WITHDRAWALS

If a student wishes to withdraw at any time other than the end of a quarter, a formal withdrawal, which is prerequisite to honorable dismissal or reëntrance to this institution, must be approved by the Dean to be valid. Such a withdrawal will be approved only after full investigation of the circumstances and after the lapse of twenty-four hours from the time the first application is filed with the Dean. The withdrawal form after approval by the Dean must be filed promptly with the Recorder in room 8, the South Building.

If a student withdraws after the mid-term and is reported as below passing in two or more courses, that quarter will be counted as a quarter in residence in all computations of his requirements for readmission. If a student withdraws before mid-term, it will be left to the discretion of the Dean as to whether or not that quarter is to be counted as a quarter in residence. The Dean's verdict will be indicated specifically on the form used for withdrawal.

GRADUATION

Each senior will be officially informed by the Dean in September of all deficiencies standing against him.

FRATERNITIES

GENERAL REGULATIONS. Students may join fraternities after registration at the opening of any quarter or term provided they are eligible under the special regulations of the Faculty. Before a fraternity may initiate a pledge it must make written inquiry of the Assistant Registrar as to the eligibility of such pledge and must secure a written certificate of eligibility. Pledging of a student to join a fraternity is not allowed until he has been in the University a specified length of time as follows: If he matriculates for the first time in the University in the summer session or in the fall quarter, he may not be pledged until the regular pledge date for the quarter; if in the winter quarter, until a similar date in that quarter; if in the spring quarter, until a

similar date in that quarter. No student may be pledged during the summer session, but, if a student remains in the summer session for the full twelve weeks, it may be counted for him as a regular quarter towards meeting the requirements as to residence. A student entering the University with advanced standing, whether he enters an academic or a professional school, may not be pledged until the regular pledge date after the date of his matriculation in this institution; but in no case may a student be pledged during the summer session.

TRANSCRIPTS OF RECORD

Honorable dismissal has reference to conduct and character only. It will not be granted unless the student's standing as to conduct and character is such as to entitle him to continue in this University. Furthermore, in every statement of honorable dismissal full mention will be made of any probation, suspension, or other temporary restriction imposed for bad conduct which is still in force when the papers of dismissal are issued.

Statement of record has reference to the recorded results of a student's work in the classroom. It will in every instance contain all the important facts pertaining to the student's admission, classification, and scholarship. In particular, no partial or incomplete scholastic record (for example, with failures omitted) will be given without clear evidence that it is partial or incomplete. If the student's scholarship has been such as to prevent his continuance in this University or to render him subject to any probation, suspension, or other temporary restriction which is still in force at the date of the record, a plain statement of any and all such facts will be included, and such information will be given as will make clear the system of grades employed, the number of exercises a week devoted to each course, etc.

Transcripts of record, except the first which is furnished without cost, will be made upon payment of one dollar ($1.00) for each copy desired.

INTERCOLLEGIATE ATHLETICS

The University is a member of the Southern Conference and its rules necessarily conform to the rules of the Conference. Only a summary of the rules which affect the student are given here.

To be eligible to represent the institution in intercollegiate athletics, including freshman games, the student must have presented fifteen acceptable units for first admission; must be taking regular work as approved by his Dean; must be free from academic and conduct probation; must have been declared eligible by the faculty eligibility committee after convincing the committee that he receives no preferential treatment due to athletic ability by way of a scholarship, loan, job, or other financial or material assistance; must not have taken

part in any intercollegiate contest at any other college as a freshman or varsity player in the same sport in which he wishes to represent this University. If a student transfers from some other college he is not eligible for intercollegiate athletics on either freshman or varsity teams for twelve months from the date of first matericulation here unless he is a graduate of a Junior College which is a member of its regional accrediting agency. For this region the Southern Association of Colleges and Secondary Schools is the agency. Thus if a student transfers as a graduate from a Junior College which is a member of its regional accrediting agency he may participate in varsity athletics his first year here, but his total time of participation is limited to a period of five years from the time of first matriculation in any college including a Junior College. If a student has played upon the team of a Junior College while in the preparatory department of said college he will not be eligible for freshman or varsity teams during his first year in this University, but will be eligible for varsity athletics after one year. This same rule applies to a student who has been in a Junior College and who transfers before graduation.

No student will be allowed to take part in athletics until he has been declared physically fit by the University Physicians nor if his parents or guardians disapprove.

It may be said that the University lends all possible encouragement to students to take part in athletics, by way of playing fields, equipment, large coaching staff, good Physical Education Department, a full program of intercollegiate and intramural athletics, courses in hygiene and health, and directed physical training.

For further details in regard to athletics the student should write to Dr. A. W. Hobbs, Chairman, Faculty Committee on Athletics.

Special Rules of the University of North Carolina

In addition to the rules of the Southern Conference the following local rules apply to all students participating in intercollegiate athletics:

No student may be a candidate for the baseball team unless he has been in attendance during the preceding winter quarter without the express permission of the Faculty Committee on Athletics.

Inasmuch as a member of an athletic team of this University enjoys special honor in thus representing the University, this privilege shall be withheld from any student whose scholastic standing is discreditable. Any student reported as deficient in a majority of his classes may be prohibited by the Dean of his school from participating in any intercollegiate contest until the deficiency is made good.

No team will be allowed to be absent from the University for more than ten lecture days during any quarter.

No person may take part in preliminary football training before

the opening of the fall quarter unless he be eligible to enter the University at the time of such training.

The manager of each athletic team shall submit to the Faculty Committee on Athletics a schedule of all engagements before positive arrangements are made.

REGULATIONS GOVERNING DRAMATIC, MUSICAL, DEBATING, AND SIMILAR ORGANIZATIONS

1. No student will be allowed to take part in dramatic, musical, debating, oratorical, or similar events entailing absence from the University whose parents (or guardian) object to such participation.

2. Any student who was in attendance at the University during a previous quarter must have passed, during his last quarter of attendance, satisfactory examinations upon at least ten quarter hours or their equivalent, before he will be allowed to represent the Univrsity in any dramatic, musical, debating, oratorical, or similar event of a public nature.

3. Any student reported during the course of any quarter as deficient in a majority of his classes may be prohibited by the Dean of his school from participating in any dramatic, musical, debating, oratorical, or similar event until such deficiency is made good.

4. No team or club will be allowed to be absent from the University more than ten lecture days during any quarter.

5. No student having membership in more than one of these organizations, or in one of these and one athletic organization will be allowed to be absent from the University more than ten lecture days during any quarter.

THE COLLEGE OF ARTS AND SCIENCES

GENERAL STATEMENT

Beginning with the year 1935-1936 the School of Education, the School of Applied Sciences, and the College of Liberal Arts are combined into one School, the College of Arts and Sciences. In addition to administrative simplicity there are certain other values to be expected from the combination. In the case of the School of Education it was thought that under the present arrangement there would be a closer coöperation between all the agencies in the University interested in teacher training, and due to the importance of this question such coöperation is greatly to be desired. We may say then that under the College of Arts and Sciences are grouped the regular Arts courses with majors in the various academic fields, the special Science courses having special Bachelor of Science degrees in Chemistry, Geology, Physics, and Medicine, and all undergraduate teacher training programs.

Students in the College of Arts and Sciences have completed the first two years of college work in this or some other institution of similar standards. Thus only the junior and senior years are represented. In this University the first two years for all students except those in the School of Pharmacy, are in the General College which has a Dean and a corps of Advisers whose purpose it is to see that students get started correctly and as nearly as possible in line with their aptitudes and interests.

The work of the College of Arts and Sciences is confined to three Divisions known as the Division of the Humanities, the Division of Natural Sciences, and the Division of Social Sciences. Students who know what they expect to study at the beginning of the freshman year or at the beginning of the sophomore year have, through the options and the electives, the opportunity to prepare for almost any desirable specialization in the last two years.

At the beginning of the junior year a student expecting to enter the College of Arts and Sciences must choose one of the Divisions for his major work. He will then be under the direction of the Head of the Division and an Adviser from the Department of his major subject. The only students not so placed in Divisions will be candidates for the combined A.B.-L.L.B. degree and special students not candidates for any degree. Such students will be directly under the guidance of the Dean of the College.

It is the general understanding that during the junior and senior years a student in a Division will take about one-third of his work in one Department, one-third in allied Departments in the Division of his major, and one-third as free electives outside the Division. There are variations from the numerical aspects of this rule due to special

circumstances and among the Divisions. It is also understood that a student shall have the right to submit a program of his own, which may be at variance with the regular divisional arrangement, to the Head of a Division and, if it is approved by the Advisory Board of the Division, he may follow it towards the appropriate degree. The requirements of the Divisions are explained later under the Divisions themselves, and as has already been said they vary somewhat among the Divisions and from the average figures.

Special attention should be called to the Bachelor of Arts degree with major in Music and to the Bachelor of Arts in Journalism. In addition to these are the Bachelor of Science courses in the special sciences of Chemistry, Geology, Physics requiring the usual four year program; the Bachelor of Science in Medicine, awarded at the end of the first year in the Medical School of this University; the A.B. degree after a specified program of two years in the General College, one in the College of Arts and Sciences, and one year in the School of Law of this University. The teacher training programs vary with the subjects to be taught in the high schools according to the schedules of the State Department of Education. Special attention is given to physical education and health programs for the schools by specialists in this field. The courses in dramatic arts and the Carolina Playmakers furnish good opportunity for students interested in the theatre.

Attention should be called to the opportunities offered by the Summer Session for reducing the time spent in completing the work for degrees and for making changes from one program to another without loss of time. By this means students as late as the end of the sophomore year may change from a regular Bachelor of Arts program to one of the special Bachelor of Science programs by making use of the Summer Sessions.

TEACHER TRAINING

Special attention is given to the proper training of those who expect to teach in the high schools of the State. Through an arrangement with the Chapel Hill High School students are given the opportunity to observe a specially trained group of teachers at work and to take part in the teaching themselves. Training for persons who expect to work in Physical Education as well as to teach in the Schools is provided through the coöperation of the Medical School, the entire Athletic Staff, and the Director of the Gymnasium, with the specialists in Physical Education.

PREPARATION FOR THE STUDY OF LAW AND MEDICINE

Students preparing for the study of Medicine or of Law may do so in one of the following ways: (1) they may take the regular four-year course leading to the A.B. degree, choosing subjects proper to their purpose; (2) they may take the special courses leading to the A.B.-

L.L.B. or the S.B. in Medicine; (3) they may take three years of academic work without the Bachelor's Degree in view, but with careful regard to meeting the exact requirements. Students preparing for dentistry should take at least the first two years of the pre-medical course.

ADMISSION

Admission to the College of Arts and Sciences is based upon the satisfactory completion of the first two years in this University or another institution of similar standards. It is expected that at least half the grades received in the work presented for admission be of grade "C" or better.* In cases upon which there is doubt as to preparation credits granted will be of a tentative nature which must be validated by work taken in this University.

In general students entering the third year of college, which is the first year in the College of Arts and Sciences, should present at least sixty-four semester hours of college work, or ninety-six quarter hours exclusive of physical education. This work should include two years of work in English, two in one foreign language above the entrance units, two years in one or one year in each of two natural sciences, two years in social science, including history, one year in mathematics or a classical language, one year of physical education, and sufficient electives to make the full two years of college work.

In exceptional cases provision will be made for students who cannot meet the exact requirements, either to take the work needed here in the General College or to take examinations to prove that they are able to carry the work in the College of Arts and Sciences. In no case, however, will a degree be conferred without the completion of the full entrance requirements of this University either by examination or by certificate, the completion of the full course as required for the degree concerned, *and the additional requirement that the full work of the last year shall be done in residence at this University.*

THE DIVISIONS

The purpose of the Divisions is to associate together in the interest of education at the level of the junior and senior years those members of the faculty who are working in more or less closely related fields. In a large faculty, such as ours, it is practically impossible for all to understand the special problems of smaller groups such as are represented by the Divisions. It is expected that the Divisions will give special attention to programs of study, to the content of courses of instruction, to the improvement of teaching, to the encouragement of the beginnings of research, and generally to the improvement of personnel and physical equipment.

After full consideration and discussion the Divisions have arranged

* This means 80 or higher in per centage grades with 70 as the passing grade.

their general plans of operation with reference to requirements in the junior and seniors years as will be shown below. As ordered by the General Faculty in its action on the plan, it is understood that any individual may find it advisable to work out for himself a plan, submit that plan in detail to the Division of his choice, and ask for approval of the same. If such approval is granted, he may proceed towards his degree on that plan.

THE DIVISION OF THE HUMANITIES

William Morton Dey, Ph.D., *Chairman*
Richmond Pugh Bond, Ph.D., *Secretary*

After a student has selected his department of major interest, that department must require of him a minimum of six whole quarter courses, or the equivalent in whole and half courses, and may require a maximum of eight such courses. In allied departments of the same Division the student must take at least four such quarter courses and may take eight, distributed in such manner that not more than four of these courses may be from within one department. It is required that the student take from departments in the other Divisions at least four and not more than seven whole quarter courses, in all a sufficient number of courses to make a total of at least eighteen whole quarter courses over and above the full requirements of the General College.

The Departments of Instruction included in the Division of the Humanitics are as follows:

The Classics	General and Comparative Literature
English	Germanic Languages
History	Library Science
Philosophy	Romance Languages

For the present is included here work in Art and Archaeology, Music, and Theatre Arts.

Note that for the purpose of teacher-training the Department of Education is considered as allied to each Division (not to be listed as a department in each Division). This is officially interpreted to mean that the Department participate fully with voting power in each Division in makng programs for teacher training.

Program for Honors Work

A student in one of the departments in the Division of the Humanities may as the result of distinguished work be awarded a degree with *Honors* or *Highest Honors.*

I. Application. At the end of sophomore year or the beginning of junior year the student with a good record for courses in the General College may become a candidate for honors by applying to the head of his major department or to the chairman of the departmental

committee on honors, with whom he will confer on a unified program of work. The student who fails to register for honors before the second quarter of his junior year may be admitted to candidacy only upon application to the Advisory Board of the Division.

II. REQUIREMENTS. The honors student is expected to give evidence of ability to do work which in quality and quantity can be judged as outstanding. In addition to a good general knowledge of his major subject he must secure an intensive understanding of that special field which will form the background of his essay. To this end he should do, in term and in vacation, a large amount of reading additional to that assigned in his regular courses. (For reading courses see below, Section IV.) A grade average of B in the major subject will normally be considered as a minimum. The following are the formal requirements for an honors degree in the Division:

1. *Written comprehensive examination.*
2. *Essay.* This essay, which need not be a piece of original research, must be submitted in typed form by May first of senior year.
3. *Oral examination.* This examination, one hour in length, will be limited to the student's special field.

All of the honors work must come up to a standard of excellence to be determined by the departmental committee, which shall have charge of the administration of the requirements and shall have the power to demand that a student return to his regular status. The candidates showing a superlative degree of ability and industry will be awarded *Highest Honors.*

III. ADVISER. To guide him in his reading and in the preparation of his essay a member of the staff of his major department will be assigned the honors candidate as a special adviser.

IV. EXEMPTION FROM CLASSROOM COURSES. The honors student may receive credit for as many as three reading courses. Such courses, with exemption from class attendance and the requirements of regular courses, should usually be taken during the first and second quarters of senior year, though the departmental committee, on the recommendation of the special adviser, will have power to modify such a procedure. Only one of the three reading courses may be taken during junior year, not more than two of them may be taken during a single quarter, and all three of them must be counted as belonging to the major subject. The honors candidate who upon his own initiative or the decision of the departmental committee abandons working for honors or who fails to satisfy all the formal requirements for an honors degree may, with the consent of the departmental committee, receive credit for the reading courses which he has completed.

THE DIVISION OF THE SOCIAL SCIENCES

Dudley DeWitt Carroll, M.A., *Chairman*
Katharine Jocher, Ph.D., *Secretary*

This Division requires the student to complete a minimum of six whole quarter courses or the equivalent in whole and half courses in his chosen department of major interest. If however essential foundation courses in the major department have not been completed in the General College, a maximum of eight such courses may be required in that department. From five to seven courses in allied departments within the Division of the Social Sciences are required, and from Departments in the other Divisions at least five and not more than seven whole quarter courses, in all a sufficient number of courses to make a total of at least eighteen whole courses over and above the full requirements of the General College.

This Division includes the following Departments of Instruction:

Economics	Sociology	Rural Social Economics
Philosophy	History	*Public Administration
Psychology	Political Science	

Note: See the note on the Department of Education above in connection with the Division of the Humanities.

THE DIVISION OF THE NATURAL SCIENCES

Robert Ervin Coker, Ph.D., *Chairman*
Floyd Harris Edmister, Ph.D., *Secretary*

The general requirements in this Division are as follows: six whole quarter courses or the equivalent in the department of major interest, six in allied departments of the Division, and six in departments in other Divisions.

By action of the Division it is agreed that courses taken in the General College (exclusive of regular freshman courses) may, in the discretion of the department concerned, be credited towards meeting the requirement for a major; and that similar courses in allied departments taken in the General College may, in the discretion of his department of major interest, be credited towards meeting the requirement of courses in allied departments. The purpose of this action is to give the student a larger opportunity to take courses in departments outside the Division.

The following Departments of Instruction are included in this Division:

Botany	Philosophy	Chemistry	Physics
Geology	Psychology	Mathematics	Zoology

Note: The place of the Department of Education is indicated above under the Division of the Humanities.

* In this connection the School of Public Administration is considered a Department of Instruction.

DESCRIPTIONS OF COURSES

In this section are listed and described all courses offered in the College of Arts and Sciences, with lists of courses offered in the General College which precede the work in the College of Arts and Sciences.

In foot-notes to each Department are shown the various requirements for majors.

NOTES ON THE METHOD OF NUMBERING AND COUNTING COURSES

The work of the University, except in the School of Law, is arranged and offered on the quarter system, the regular session being divided into three approximately equal parts called the fall, winter, and spring quarters. The summer session of twelve weeks is divided into two terms of six weeks each.

Work is valued and credited by quarter hours, *one such hour being allowed for each class meeting a week for a quarter, laboratory or field work counting one hour for each two hours of work in laboratory or field. In the following announcements of courses the numbers in parenthesis following the descriptive titles show the credits allowed in quarter hours.

In the event that required freshmen subjects are taken after a student begins his seventh quarter or required sophomore subjects after he begins his tenth quarter, such subjects carry half credit only. This rule applies to the class registered as freshmen in the year 1925-1926 and to all later registrants.

**Courses numbered from 1 to 10 are for freshmen only, from 11 to 20 are ordinarily for freshmen and sophomores, from 21 to 40 for sophomores, from 41 to 50 for sophomores (but open to juniors or seniors), from 51 to 100 for juniors and seniors, from 101 to 200 for advanced undergraduates and graduates, from 201 to 400 for graduates only. Courses numbered 301 to 400 are research courses. Undergraduates may not take courses numbered above 200 except by special permission of the instructor in the course and the head of the department. Courses numbered from 1 to 100 carry no credit towards any advanced degree.

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* In the case of elementary course in foreign language taken by those who do not qualify for the regular freshman courses of collegiate grade the work is counted towards a degree as of the same value as the regular freshman courses.

** Courses in chemistry for undergraduates are grouped by decades under the headings inorganic, analytical, organic, etc.

BIBLICAL HISTORY AND LITERATURE

Courses for Undergraduates

58. THE GREEK NEW TESTAMENT. (5). Prerequisite, Greek 21-22-23.

St. Mark's Gospel, with selections from other parts of the New Testament. This course is designed for students who wish a more intimate knowledge of the Bible in its original language and especially for divinity and Y. M. C. A. students. *Five hours a week, one quarter, on application.* Professor Bernard. (See Greek 58).

85. ARCHAEOLOGY AND THE BIBLE. (3).

The results of the explorations and excavations in Palestine will be studied for the light they throw on Biblical History. Attention will be given to the Art and Civilization of the Peoples of the Old Testament, particularly of the Pre-exilic Period. *Three hours a week, fall quarter.* Professor Harland. (See Archaeology 85).

86. HEBREW HISTORY. (3).

A rapid survey of the background of Hebrew History to the fall of Jerusalem and of the development of the early Christian church. Particular attention will be paid to the religions of the early Semites, the development of Hebrew religion from Moses through the prophets into the Post-exilic and Apocryphal periods, and the rise and spread of Christianity in the Roman Empire. *Three hours a week, winter quarter.* Professor Caldwell.

87. LITERARY ASPECTS OF THE BIBLE. (3).

A study of the literary aspects of the Bible in English translations, with discussion of types and forms of literature, historical development of the Bible, the principal translations, and the influence of the Bible on English literature and on the language. *Three hours a week, spring quarter.* Professor Howell. (See English 87).

Course for Graduates and Advanced Undergraduates

158. THE GREEK NEW TESTAMENT. (5). Prerequisite, Greek 58.

The Acts of the Apostles: study of grammar and diction and comparison with English versions; the Gospels, with selections from the Epistles; the principles of textual criticism, sources and history of the Greek text and the versions. *Five hours a week, one quarter, on application.* Professor Bernard. (See Greek 158).

*DEPARTMENT OF BOTANY

Professors: W. C. COKER, H. R. TOTTEN, J. N. COUCH.
Instructor: J. E. ADAMS.

Courses for Undergraduates

1-2-3. (Biology 1-2-3). ELEMENTS OF BIOLOGY. (12). Freshman elective. Professors Couch, Costello; Mr. Adams; Assistants.

* For the A.B. with major in Botany, six courses of the level of 41 or higher are required, but, with the consent of the Department, this number may be reduced by certain courses in Botany taken in the General College; 1 course in Bacteriology and 1 in Zoölogy may, with consent of the Department be considered as part of the Major. There are also required 6 courses in allied sciences, which shall include two 5- or 6-hour quarter courses in each of the following sciences, unless the equivalent has been taken in the General College (it is assumed that at least two such courses would have been taken): Zoölogy, Chemistry, Physics, Geology. Six courses in Departments outside the Division of the Natural Sciences are required.

Those students who plan to teach in public high schools should read the footnote at the bottom of page 67.

41. GENERAL BOTANY. (6). Given in the summer session as s41. Introduction to the structure and classification of plants. *Four lecture and four laboratory or field trip hours a week, fall or spring quarter. Laboratory fee, $4.00.* Professors Coker, Totten, Couch; Assistants.

42. PHARMACEUTICAL BOTANY AND PHARMACOGNOSY. (6). Prerequisite, General Botany. In the college credit is restricted to students preparing to study medicine and those whose major is to be botany.

A study of drug plants; the structure of their parts and contents; the identification of crude drugs and their adulterants. *Three lecture and six laboratory hours a week, winter quarter. Laboratory fee, $4.00.* Professor Totten; Assistants.

43. STRUCTURE AND CLASSIFICATION OF SEED PLANTS. (6). Prerequisite, General Botany, Given in the Summer Session as s43.

A continuation of general botany with more advanced work on seed plants with special attention to local flora and the introduced ornamental plants in the Arboretum and some work in the propagation of cultivated plants. *Three lecture and six laboratory or field trip hours a week, spring quarter. Laboratory fee, $4.00.* Professor Totten.

52. ADVANCED PHARMACOGNOSY. (3). Prerequisite, General Botany and Botany 42. Credit in the college is restricted in the same manner as credit for Botany 42.

Advanced study of vegetable drugs; general methods in microanalysis of powdered drugs; preparations of materials for study; microanalysis of typical drugs and their adulterants and mixtures. *One lecture and four laboratory hours a week, winter quarter. Laboratory fee, $4.00.* Professor Totten.

Courses for Graduates and Advanced Undergraduates

103, s103. STRUCTURE AND CLASSIFICATION OF THE ALGAE. (5). Prerequisite, General Botany.

A study of the Morphology and classification of the Algae. Lectures, reports, laboratory and field work. The subject may be continued under the same number for more than one quarter as the subject advances, credit being given for each repetition. *Two lecture or report and six laboratory or field work hours a week, spring quarter. Laboratory fee, $4.00.* Professor Couch.

Not offered in the Summer Session of 1936.

111, 112, 113, s114. STRUCTURE AND DEVELOPMENT OF THE FUNGI. (5 each quarter). Prerequisite, General Botany.

A study of the Morphology of the fungi, with special attention to plant diseases, to the culture and development of the lower fungi, and to the identification of mushrooms. Lectures, reports, laboratory and field work. *Two lecture or report and six laboratory or field trip hours a week, fall, winter, and spring quarters, and equivalent hours in the first term of the Summer Session. Laboratory fee, $4.00 a quarter.* Professor Couch.

121, s122 STRUCTURE, GROWTH, AND CLASSIFICATION OF THE LIVERWORTS. (5). Prerequisite, General Botany.

Two lecture or report and six laboratory or field trip hours a week, winter quarter, and equivalent hours in the Summer Session. Laboratory fee, $4.00. Professors Coker, Couch.

133. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE MOSSES. (5). Prerequisite, General Botany.

Two lecture or report and six laboratory or field trip hours a week, fall quarter. Laboratory fee, $4.00. Professors Coker, Couch.

141. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE FERNS. (5). Prerequisite, General Botany.

Two lecture or report and six laboratory or field trip hours a week, fall quarter. Laboratory fee, $4.00. Professor Coker; Miss Holland.

151, 153, s154. ADVANCED WORK IN THE STRUCTURE AND CLASSIFICATION OF SEED PLANTS. (5 each quarter). Prerequisite, General Botany and Botany 43 or Botany s43.

For each of these courses the student is required to collect, prepare herbarium specimens, and classify two plants each from twenty families of seed plants, with notes on the families and sketches to show the principal characteristics of one plant in each of these families. *Two conferences a week with the instructor, fall and spring quarters, and equivalent hours in the second term of the Summer Session. Laboratory fee, $4.00.* Professor Totten.

157. PLANT ANATOMY. (5). Prerequisite, General Botany and Botany 43. Introduction to the anatomy of seed plants; practice in microtechnique. *Two lecture or report and six laboratory hours a week, spring quarter. Laboratory fee, $4.00.* Mr. Adams.

162. STUDIES IN THE HISTORY OF BOTANY. (3). Prerequisite, two courses in botany.

Readings and reports. This course may continue for more than one year as the subject advances, credit being given for each repetition. *Three hours a week, winter quarter.* Professor Coker; Miss Holland.

*DEPARTMENT OF CHEMISTRY

Professors: EDWARD MACK, JR., **A. S. WHEELER, F. K. CAMERON, J. T. DOBBINS.
Associate Professors: F. H. EDMISTER, H. D. CROCKFORD, R. W. BOST.
Assistant Professor: E. C. MARKHAM.

Courses for Undergraduates

1-2-3. GENERAL DESCRIPTIVE CHEMISTRY. (12).
Professors Cameron, Dobbins, Edmister, Markham, Mack; Assistants.

4-5. GENERAL DESCRIPTIVE CHEMISTRY. (13.) This course is equivalent to Chemistry 1-2-3. Professors Cameron, Dobbins, Edmister, Markham, Mack; Assistants.

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* For the A.B. with Major in Chemistry (primarily for students preparing for Medicine) these are required: Chemistry 31, 41, 42, 61, 162 and one other course. Six courses in other natural sciences and six courses in departments outside the Division of the Natural Sciences are required also.

For the S.B. in Chemistry there are the following required courses: Chemistry 1-2-3 (or 4-5), 31, 41, 42, 61, 162, 163 (or 171), 91 (or 191), 92 (or 192), 181-182-183; Physics 21-22-23 (or 24-25); Mathematics 22-23 (or 32-33); Botany 41 (or Zoology 41); Geology 43-44; and English 51.

Those students who plan to teach in public high schools should read the footnote at the bottom of page 67.

** Absent on leave, 1935-1936.

31. QUALITATIVE ANALYSIS. (6). Prerequisite, Chemistry 1-2-3 or 4-5.

Three lecture and six laboratory hours a week, fall or spring quarter. Laboratory fee, $10.00. Professors Dobbins, Markham; Assistants.

41. ELEMENTARY QUANTITATIVE ANALYSIS. (6). Prerequisite, Chemistry 31.

Gravimetric Analysis. Laboratory work, lectures, and stoichiometric exercises. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Professor Dobbins; Assistants.

42. ELEMENTARY QUANTITATIVE ANALYSIS. (6). Prerequisite, Chemistry 31.

Volumetric Analysis. Laboratory work, lectures, and stoichiometric exercises. *Three lecture and six laboratory hours a week, winter or spring quarter. Laboratory fee $10.00.* Professors Dobbins, Markham; Assistants.

61. ORGANIC CHEMISTRY: ALIPHATIC SERIES. (6). Prerequisite, Chemistry 31.

Three lecture and six laboratory hours a week, fall or winter quarter. Laboratory fee $10.00. Professors Wheeler, Bost.

83. PHYSICAL CHEMISTRY FOR STUDENTS OF BIOLOGY. (5). Prerequisite, Chemistry 1-2-3 or 4-5, 31, 41, 61, and Math. 1, 2, 3. Does not carry credit toward S.B. in Chemistry.

Designed for A.B. Students or students taking pre-medical, pharmaceutical, or biological work. *Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, $3.00.* Professor Crockford or Professor Cameron.

91, 92. TECHNICAL QUANTITATIVE ANALYSIS. (6 each). Prerequisite, Chemistry 41, 42.

Quantitative analysis of water, coal, gas, silicates, iron, steel, alloys, paints, and cotton products. *Three lecture and six laboratory hours a week, winter and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Markham.

Courses for Graduates and Advanced Undergraduates

143. THEORETICAL ANALYTICAL CHEMISTRY. (6). Prerequisite, Chemistry 31, 41, 42.

A detailed study of the reactions of all the common metallic and acidic ions from the standpoint of mass action, solubility product, and oxidation and reduction. This course is designed to give a comprehensive review of inorganic and analytical chemistry. *Six hours a week, spring quarter.* Professor Dobbins.

151. ADVANCED INORGANIC CHEMISTRY. (5). Prerequisite, Chemistry 1-2-3 or 4-5, 31, and one other course in Chemistry.

Selected chapters in inorganic chemistry which may be changed from year to year, to illustrate and demonstrate modern methods of investigation. Private readings and library research in lieu of laboratory. Designed for students preparing to become professional chemists or to enter professions in which chemistry is an essential tool. *Four lectures and a symposium a week, fall quarter.* Professor Cameron.

162. ORGANIC CHEMISTRY: AROMATIC SERIES. (6). Prerequisite, Chemistry 61.

This course carries no graduate credit for students who have their majors in Chemistry. *Three lecture and six laboratory hours a week, winter or spring quarter. Laboratory fee, $10.00.* Professors Wheeler, Bost.

163. QUALITATIVE ORGANIC ANALYSIS. (6). Prerequisite, Chemistry 61, 162.

A study of the theory of solubility, homology, class reactions, and the functional groups in organic compounds. Individual substances and complex mixtures are studied. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Professor Bost.

164. CHEMISTRY OF DYESTUFFS. (5). Prerequisite, Chemistry 61, 162.

Lectures and laboratory. *Three lecture and four laboratory hours a week, winter quarter.* (1936 and alternate years). *Laboratory fee, $10.00.* Professors Wheeler, Bost.

165. ADVANCED TOPICS IN ORGANIC CHEMISTRY. (5). Prerequisite, Chemistry 61, 162.

Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $10.00. (1937 and alternate years.) Professors Wheeler, Bost.

167, 168. ADVANCED ORGANIC PREPARATIONS. (3 each). Prerequisite, Chemistry 61, 162.

Laboratory course. *Six laboratory hours a week, any two quarters. Laboratory fee, $10.00 a quarter.* Professors Wheeler, Bost.

169. QUANTITATIVE ORGANIC ANALYSIS. (3). Prerequisite, Chemistry 163.

Quantitative determination of carbon, hydrogen, nitrogen, halogens, sulphur, and a few other elements by well established methods. *Six laboratory hours a week, winter or spring quarter. Laboratory fee, $7.00.* Professors Wheeler, Bost.

171. CHEMISTRY OF FOODS. (6). Prerequisite, Chemistry 42, 61.

The composition, digestion, absorption, and metabolism of foods. *Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Professor Bost.

181-182-183. PHYSICAL CHEMISTRY. (18). Prerequisite, Chemistry 1-2-3 (or 4-5), 31, 41, 42, 61, 162 and satisfactory courses in physics and the calculus.

An introductory study of the properties and behavior of gases, liquids and crystals; elementary thermodynamics; homogeneous and heterogeneous equilibrium; solution theory; chemical kinetics; elementary principles of electrical conduction, galvanic cells, etc.; photochemistry and atomic structure. *Four lecture and four laboratory hours a week, fall, winter, and spring quarters, Laboratory fee, $7.50 a quarter.* Professors Crockford, Mack.

191, 192. CHEMICAL TECHNOLOGY. (6 each). Prerequisite, Chemistry 61, 162, 91, 92.

The methods and economics of the chemical industries. Lectures and laboratory work. *Three lecture and six laboratory hours a week, fall and winter quarters. Laboratory fee, $10.00.* Professor Cameron.

*DEPARTMENTS OF CLASSICAL LANGUAGES AND LITERATURES

Professors: **GEORGE HOWE, W. S. BERNARD, G. A. HARRER, J. P. HARLAND.
Visiting Professor: H. B. DEWING.
Associate Professor: S. G. SANDERS. Instructor: B. W. DAVIS.

GREEK

Courses for Undergraduates

1-2-3. ELEMENTARY AND INTERMEDIATE GREEK. (9). Professor Bernard.

NOTE: Attention is called to Greek 14-15-16, designed for upperclassmen who have fulfilled the requirement in another foreign language.

11-12-13. INTERMEDIATE GREEK. (9). Professor Bernard.

14-15-16. SPECIAL COURSE IN ELEMENTARY GREEK. (9). Professor Sanders.

21-22-23. ADVANCED GREEK. (9). Prerequisite, Greek 1-2-3 or 11-12-13 or the equivalent. Professor Bernard.

53. INTRODUCTION TO GREEK DRAMA. (5). Prerequisite, Greek 21-22-23.

One tragedy and one comedy will be studied. *Five hours a week, one quarter, on application.* Professor Bernard or Professor Sanders.

58. THE GREEK NEW TESTAMENT. (5). Prerequisite, Greek 21-22-23.

St. Mark's gospel, with selections from other parts of the New Testament. This course is designed for students who wish a more intimate knowledge of the Bible in its original language and especially for divinity and Y. M. C. A. students. *Five hours a week, one quarter, on application.* Professor Bernard.

71. GREEK HISTORY. (5). Prerequisite, Greek 21-22-23 or equivalent.

Selections from the Greek Historians, chiefly Herodotus, will be read and reports will be made on related topics in Greek History. *Five hours a week, fall quarter, on application.* Professor Harland.

81. THE GREEK ORATORS. (5).

Select orations from Lysias and Demosthenes. *Five hours a week, winter quarter.* (1936 and alternate years.) Professor Harland.

Courses for Graduates and Advanced Undergraduates

112. HOMER: ADVANCED COURSE. (5). Prerequisite, Greek 11-12-13.

Rapid reading of the Odyssey with Homeric Study. *Five hours a week, one quarter, on application.* Professor Harland or Professor Bernard.

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* Students interested in having their major in Greek or in Latin should consult the Department in the last quarter of their sophomore year.

Those students who plan to teach Greek or Latin in public high schools should read the footnote at the bottom of page 67.

** Absent on leave, 1935-1936.

153-154. GREEK DRAMA: ADVANCED COURSE. (10). Prerequisite, Greek 53.

An extended reading and study of the Greek drama, with lectures on the origin, history, and structure of the drama. *Five hours a week, two quarters, on application.* Professor Bernard or Professor Sanders.

158. THE GREEK NEW TESTAMENT. (5). Prerequisite, Greek 58.

The Acts of the Apostles: study of grammar and diction and comparison with English versions; the Gospels, with selections from the Epistles; the principles of textual criticism, sources and history of the Greek text and the versions. *Five hours a week, one quarter, on application.* Professor Bernard.

171. GREEK HISTORY. (5). Prerequisite, Greek 71.

Selections from Thucydides will be read and the history of Athens and Sparta will be reviewed with a view to explaining the underlying causes of the Peloponnesian War. *Five hours a week, winter quarter, on application.* Professor Harland.

*LATIN

Courses for Undergraduates

1-2-3. ELEMENTARY AND INTERMEDIATE LATIN. (9).
Mr. Davis.

Note: Attention is called to Latin 14-15-16, designed for upperclassmen who have fulfilled the requirements in another foreign language.

11-12-13. INTERMEDIATE LATIN. (9).
Professor Dewing.

14-15-16. SPECIAL COURSE IN ELEMENTARY LATIN. (9).
Professor Howe.

21-22-23. ADVANCED LATIN. (9). Prerequisite, four units of High School Latin, or Latin 1-2-3 or 11-12-13. Professor Sanders.

24-25. ROMAN LAW. (6). Prerequisite, Latin 21.

The course is a sophomore option of A.B.-LL.B. students, and is open to other students who have satisfied the prerequisite.

The course deals with the general principles and the historical development of Roman law. The work consists of the translation of selected passages in the legal literature, readings, and lectures. *Three hours a week, winter and spring quarters.* Professor Harrer.

51. ROMAN SATIRE. (5). Prerequisite, Latin 21-22-23.

Readings from Horace, Petronius, Persius, Juvenal; occasional lectures. This course alternates with course 52. *Five hours a week, fall quarter.* (1936 and alternate years.) Professor Sanders.

52. CICERO'S LETTERS. (5). Prerequisite, Latin 21-22-23.

The reading of selected letters and discussions of the history and politics of the time. This course alternates with course 51. *Five hours a week, fall quarter.* (1937 and alternate years.) Professor Sanders.

71. COURSE FOR TEACHERS. (5). Latin 21-22-23.

The course is concerned with pronunciation, forms, syntax, prosody, the art of translating, methods of instruction. *Five hours a week, fall quarter.* Professor Howe.

* See notes on the major and teacher-training under Greek.

Courses for Graduates and Advanced Undergraduates

101. ROMAN HISTORICAL LITERATURE. (5). Prerequisite, Latin 21-22-23.

A study of the structure, purposes, and methods of the most significant works. Translation and reading in English from the literature, reports, lectures. *Five hours a week, fall quarter.* (1936 and alternate years.) Professor Harrer.

102. ROMAN DRAMATIC LITERATURE. (5). Prerequisite, Latin 21-22-23.

A study of the development of Latin comedy and tragedy. Reading of selected plays. The course alternates with course 101. *Five hours a week, fall quarter.* (1937 and alternate years.) Professor Harrer.

103. PROSE WRITINGS OF THE REPUBLIC. (5). Prerequisite, Latin 21-22-23.

An account of the development of prose literature from Cato to Cicero, with special studies of certain types of readings from the chief works. *Five hours a week, winter quarter.* Professor Sanders.

104. CICERO: POLITICAL CAREER AND WORKS. (5). Prerequisite, Latin 21-22-23.

A study of Cicero, as statesman and advocate. Selected letters, as well as a number of orations, will be read. *Five hours a week, spring quarter.* Professor Harrer.

105. THE SATIRES OF JUVENAL. (5). Prerequisite, Latin 21-22-23.

Translation and interpretation, with a survey of the history of the period. *Five hours a week, fall quarter.* Professor Dewing.

Courses Requiring no Knowledge of the Greek or Latin Language

The following courses in classical literature and civilization are especially designed to supply the necessary foundation for those who, without a reading knowledge of the ancient languages, wish a broader culture, or plan to specialize in modern literature, history, art, etc. When properly approved, they will be allowed to count as part of the major requirement in other departments. They may be taken also to satisfy the requirement of a minor in literature. (See also under General and Comparative Literature, page 79).

Courses for Undergraduates

61. GREEK LITERATURE. (5).

A study of the masterpieces of Greek literature in English translation, with special reference to the contribution of Greece to modern thought. *Five hours a week, fall quarter.* Professor Bernard.

62. LATIN LITERATURE. (5).

A study of the masterpieces of Latin literature in English translation, with special reference to the contribution of Roman civilization to modern thought. *Five hours a week, winter quarter.* Professor Howe.

75. GREEK CIVILIZATION. (5).

The achievements of the ancient Greeks and their contributions to the modern world in art, architecture, medicine, science, politics, and other fields will be studied. For a background, their house, dress, education, games,

theatre, religion, etc. will be considered. Illustrated lectures and discussions. *Five hours a week, winter or spring quarter.* Professor Harland.

76. ROMAN CIVILIZATION. (5).

The course deals with the public institutions, the political and social conditions, and the private life of the Romans, their buildings, living conditions, amusements, manners and customs, and religion. *Five hours a week, spring quarter.* Professor Harrer.

85. ARCHAEOLOGY AND THE BIBLE. (3).

The results of the explorations and excavations in Palestine will be studied for the light they throw on Biblical History. Attention will be given to the Art and Civilization of the Peoples of the Old Testament, particularly of the Pre-exillic Period. *Three hours a week, fall quarter.* Professor Harland.

91, 92. GENERAL ARCHAEOLOGY. (5 each).

An introductory course in which the art and architecture of Egypt, Mesopotamia, Greece, and Rome will be studied. Illustrated lectures on the monuments will be supplemented by lectures on the history and civilization of the various peoples. Discussions and required reading. *Five hours a week, fall and winter quarters.* Professor Harland.

93. GREEK ARCHAEOLOGY. (5).

This course will deal primarily with Greek sculpture. The historical development of the art of Greece will be studied, and Greek art will be presented as one phase of the civilization of the ancient Hellenes. *Five hours a week, spring quarter.* Professor Harland.

Courses for Graduates and Advanced Undergraduates

103, (113). THE GREEK EPIC. (5).

Epic as a literary form; Homer, the Iliad and Odyssey; origins, the Mycenaean civilization, literary characteristics, comparison of the chief English translations, comparison with Norse, Latin, Italian, and English epic. *Five hours a week, on application.* Professor Bernard.

107 (155). GREEK DRAMATIC LITERATURE. (5).

A course designed to embrace the origin, development, technique, and content of Greek drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress. *Five hours a week, spring quarter.* Professor Bernard.

112 (111). THE LATIN EPIC. (5).

The history of the Latin Epic; detailed study of Vergil, the Aeneid. *Five hours a week, spring quarter.* Professor Howe.

115 (112). THE POETRY OF OVID. (5).

The reading in English of the complete works of Ovid; special critical studies in the *Metamorphoses.* The influence of Ovid on later writers. *Five hours a week, fall quarter.* Professor Howe.

*DEPARTMENT OF ECONOMICS AND COMMERCE

Professors: D. D. CARROLL,**C. T. MURCHISON, E. E. PEACOCK, E.W. ZIMMERMAN, R. J. M. HOBBS, J. B. WOOSLEY, C. P. SPRUILL, G. T. SCHWENNING, ***CLARENCE HEER, H. D. WOLF, D. H. BUCHANAN.

Visiting Professor: H. VON BECKERATH.

Associate Professors: M. D. TAYLOR, J. M. LEAR, M. S. HEATH, **W. F. FERGER, **J. G. EVANS, R. H. SHERRILL, E. M. BERNSTEIN.

Acting Associate Professor: D. J. COWDEN.

Instructors: R. S. WINSLOW, F. H. ARNOLD, H. M. DOUTY, C. M. ANDERSON, F. S. WILDER.

ECONOMICS

Courses for Undergraduates

21-22-33. GENERAL ECONOMICS. (9). Not open to Freshmen.

For description see Economics 31-32. Professors Lear, Wolf, Evans, Cowden; Messrs. Winslow, Anderson, Douty, Wilder, McFerrin.

31-32. GENERAL ECONOMICS. (10). Not open to Freshmen.

This course is planned to give a general understanding of the organization of our economic life and the fundamental principles underlying it. An analysis is made of production, distribution, and consumption, of the elements which determine value and price, with a brief introduction to money, banking and credit, monopoly, business combinations, labor problems, and economic reform. Sophomore elective.

If a student has not had Economics 21-22-23 or its evuivalent before entering the College of Arts and Sciences he may satisfy this requirement by taking Economics 61-62 in his junior year. *Five hours a week, winter, spring, and spring, fall quarters.* Professors Lear, Wolf, Evans, Cowden; Messrs. Winslow, Anderson, Douty, Wilder, McFerrin.

35. ECONOMIC HISTORY. (5). Not open to Freshmen.

A survey of the steps by which economic activities have evolved from primitive beginnings into the complicated capitalistic economy of today. Special emphasis upon the development of the wage system, the Industrial Revolution, the expansion of markets, the ebb and flow of industrial activities, the relation of industrial development to political policy, as they have manifested themselves in England and in the United States. *Five hours a week, every quarter.* Professor Heath; Mr. Wilder.

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* Courses in commerce are not to be taken for credit in the College of Arts and Sciences and are, therefore, not described here. See the special catalogue of the School of Commerce.

For an A.B. degree with a major in economics, a student must complete Economics 21-22-23 or its equivalent in the General College and six courses, including the following: Economics 81-82, 131, and either Economics 191 or 195. The other two courses may be selected from any offerings of the department other than Economics 35 or 137. If a student has not had Economics 21-22-23 or its equivalent before entering the College of Arts and Sciences he may satisfy this requirement by taking Economics 61-62 in his junior year. The student will also be required to select five to seven courses from related departments in the Division of the Social Sciences and five to seven courses from the Divisions of the Natural Sciences and the Humanities.

** Absent on leave, 1935-1936.

*** Absent on leave, winter and spring quarters, 1936.

61-62. GENERAL ECONOMICS. (10). Not open to Freshmen or Sophomores.

This course is planned for students in the Upper College, other than those whose major is economics, who desire an elective in the principles of economics. The field covered is the same as in Economics 31-32 but at a more advanced level and in a more critical way. A student may not count for credit two groups from 21-22-23, 31-32, and 61-62. *Five hours a week, fall and winter quarters.* Professor Evans.

81-82. PRINCIPLES OF MONEY AND BANKING. (10). Prerequisite, Economics 21-22-23 or equivalent.

A general study of the principles, functions, and forms of money and credit, followed by analyses of current money and credit problems. The second half of the course is devoted to a study of the theory of commercial banking with particular respect to its application and development in the United States. *Five hours a week, fall, winter, and winter, spring quarters.* Professors Woosley, Bernstein; Mr. Winslow.

Courses for Graduates and Advanced Undergraduates

121. RISK AND RISK-BEARING. (5). Prerequisite, Economics 21-22-23 or equivalent.

A study of the risk element in modern industry together with the measures which have been devised to meet it. This course should precede the study of insurance. *Five hours a week, fall quarter.* Professor Lear.

124. PRINCIPLES OF MARKETING. (5). Prerequisite, Economics 21-22-23 or equivalent.

A critical study of marketing organization and operation. Among the topics discussed are: methods of approach to the study of marketing; the marketing of farm products; the marketing functions; trade channels; direct marketing; the services performed by brokers, sales agents, auctions, wholesalers, and different types of retailers; commodity exchanges and future trading; price policies; price maintenance; brand policies; market research; problems relating to marketing costs; and scientific marketing management. Emphasis is placed on recent developments in retailing such as the growth in economic importance of centrally owned chain store organizations and coöperative chains. In the study of the marketing of farm products special attention is given to coöperative marketing; and the work of the Federal Farm Board and the Farm Credit Administration is examined critically. Study is made likewise of other governmental bureaus which influence marketing. *Five hours a week, fall quarter.* Professor Taylor.

131. ECONOMIC THEORY. (5). Prerequisite, Economics 21-22-23 or equivalent.

The primary purpose of this course is the development of greater facility upon the part of the student in the use of economic theory as a tool in the solution of economic and business problems. Supplementary thereto, the assumptions and limitations of economic theory are analyzed. Specific problems are employed to test the utility of theory as a framework of thought for their solution. Required of all seniors in the School of Commerce and of all whose major is Economics. *Five hours a week, every quarter.* Professor Spruill.

137. ECONOMIC DEVELOPMENTS IN THE ORIENT SINCE 1800 (5).

A study of the foundations of economic life and of modern economic developments in Japan, China, and India. Special attention is given to the rise of modern industry, commerce, and finance, and to the effect of these upon the indigenous cultures. *Five hours a week, spring quarter.* Professor Buchanan.

141. PUBLIC FINANCE. (5). Prerequisite, Economics 21-22-23 or equivalent.

A general study of government business covering the principles involved in public revenues and expenditures—local, state, and national; a treatment of the just distribution of public charges and their incidence; and a study of the growth and organization of modern tax systems. *Five hours a week, fall quarter.* Professor Heer.

142. FISCAL ORGANIZATION AND ADMINISTRATION. (5). Prerequisite, Economics 141.

The first part of the course deals with contemporary types of state and local financial organization. The relative advantages of centralized as contrasted with decentralized types are discussed. The second part of the course deals with financial methods and procedure. The topics covered include budgets and budget making, budgeting and auditing control, treasury management, debt administration, assessment procedure, purchasing, and state administrative control over local finances. *Five hours a week, winter quarter.* Professor Heer.

143. PROBLEMS IN PUBLIC FINANCE. (5). Prerequisite, Economics 141.

An advanced critical study of certain present problems in government finance. *Five hours a week, spring quarter.* Professor Heer.

145-146. PROBLEMS OF MODERN INDUSTRIALISM. (10). Prerequisite, Economics 21-22-23 or equivalent.

This course first surveys technological efficiency and market organization as limiting factors in the determination by industrial management of the rational requirements of plant organization. External political and social forces are then introduced into the complex to show modern industrialism as a phase of mature capitalism. Against this background of modern capitalism the issues and trends of public policy with respect to economic organization in America and Europe are compared and appraised. *Five hours a week, fall and winter quarters.* (Alternates with Economics 257-258; will be given in 1936-1937). Professor von Beckerath.

151. TRANSPORTATION. (5). Prerequisite, Economics 21-22-23 or equivalent.

A general study, from the historical and critical points of view, of railway transportation in such representative countries as Great Britian, France, Italy, Germany, and the United States; with some consideration of passenger and freight traffic and rates, and the State's relation to railways. *Five hours a week, fall quarter.* Professor Bernstein.

153. PUBLIC UTILITIES. (5). Prerequisite, Economics 21-22-23 or equivalent.

The first part of the course is historical and descriptive, covering the physical and technical development and the corporate and financial set-up of public service corporations other than railroads, including electric light and power

companies, telegraph companies, street railways, motor vehicle carriers, and similar utilities. The second part of the course deals with methods of protecting the public interest in utility services. Among the topics considered are: the legal bases of utility regulation, state and federal regulatory agencies, valuation and rate of return, principles of rate making, capitalization and security regulation, the problem of the holding company, and public ownership. *Five hours a week, spring quarter.* Professor Bernstein

161. THEORY OF INTERNATIONAL TRADE. (5). Prerequisite, Economics 21-22-23 or equivalent.

In this course international trade is viewed from the standpoint of the political economist, emphasizing the social aspects. After an historical study of the past and a critical analysis of the present foreign commerce of the United States and principal competitors, an effort is made to apply to a survey of our foreign markets and of our foreign sources of supply the general principles of economic theory in so far as they pertain to international trade. Following this the payment balances of this country and of other leading countries engaged in world commerce are critically studied. Finally, the most important theories of international trade are reviewed in the light of historical development. *Five hours a week, fall quarter.* Professor Zimmermann.

165. COMMERCIAL POLICY OF MODERN NATIONS. (5). Prerequisite, Economics 161.

After a general survey of international commercial policy up to the close of the Napoleonic Wars, a more detailed comparative study of the commercial policy of the leading nations during the last hundred years is made. The following countries are included: United States, Great Britain, France, Germany, Russia, Italy, Canada, Argentina, and India. Special attention is given to tariff problems, colonial policies, and to imperialism. The present world resources situation and its probable effect on future commercial policy is appraised. *Five hours a week, spring quarter.* (Alternates with Commerce 169; will be given in 1937.) Professor Zimmermann.

170. ECONOMIC STATISTICS. (5). Prerequisite, Mathematics 1-2-3, Economics 21-22-23 or equivalent.

This course is designed to give an understanding of statistical technique used by economists and business men. Among the topics included are collection of data, tabular and graphic presentation, averages, index numbers, time scries analysis, and simple correlation. Emphasis is put on the meaning and limitations of statistical methods rather than techniques of computation and mathematical proofs. The laboratory work is designed to give practice in the use of the processes studied, together with an interpretation of the results found. *Three lecture and four laboratory hours a week, every quarter. Laboratory fee, $1.00.* Professor Cowden.

171. ADVANCED ECONOMIC STATISTICS. (5). Prerequisite, Economics 170 or equivalent.

This course is designed to give the student the ability to use some of the more exact and more technical tools, such as fitting of the normal curve, curvilinear trends for time series, changing the seasonal variation, and multiple correlation. Sampling theory is further considered. The course also seeks to give acquaintance with practical work and the current literature in statistics. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $1.00.* Professor Cowden.

185. BUSINESS CYCLES. (5). Prerequisite, Economics 21-22-23 or equivalent and 81.

A study of the alternating periods of depression and prosperity. The underlying causes of panics and crises. Fluctuations in price, trade volume, and physical production. *Five hours a week, winter or spring quarter.* Professor Bernstein.

191. AN INTRODUCTION TO THE LABOR PROBLEM. (5). Prerequisite, Economics 21-22-23 or equivalent.

To the extent that the competitive wage system fails (a) to provide for the laborer an adequate basis for a decent living and (b) to draw from him the services he ought to render to industry, there appears to be a "labor problem." The purpose of this course is to make an analytic survey of the modern labor problem in its major aspects, such as unemployment, low wages, industrial accidents and diseases, overstrain and superannuation, and the status of the worker in industrial society. Trade unionism and the labor movement and intervention by the State in behalf of the worker, and social methods of coping with the problems of labor are also surveyed. *Five hours a week, fall or winter quarter.* Professor Wolf.

192. LABOR AND SOCIAL CONTROL. (5). Prerequisite, Economics 191.

An advanced course in social methods of coping with labor problems. These fall roughly into three classes: (a) self-help on the part of the workers, which embraces trade unionism, labor political activity, and consumers' coöperation; (b) employers' policies, such as welfare work and paternalism, profit-sharing, and company unionism; and (c) intervention by public authority, as through labor legislation, conciliation and arbitration, and judicial limitation of private property rights. In so far as possible the various topics will be studied in terms of the Southern labor situation. *Five hours a week, spring quarter.* Professor Wolf.

195. THEORIES OF ECONOMIC REFORM. (5). Prerequisite, Economics 21-22-23 or equivalent.

A critical analysis of the leading proposals for reform in the present economic system, including Socialism, Bolshevism, Single Tax, and Social Insurance. *Five hours a week, every quarter.* Professor Carroll.

197. GOVERNMENT AND BUSINESS. (5). Prerequisite, Economics 21-22-23 or equivalent.

This course deals with the control exercised by government over business operations. Emphasis is placed on legal control. Attention in some detail is given to trade regulations, public utilities, and the operation of the federal anti-trust laws. The course includes a study of the control of business by the states under their police powers and by the federal government under the interstate commerce and taxing provisions of the federal constitution. Governmental participation in business is treated to a limited extent as is the attitude of government toward labor. The emergency legislation of 1933 and the extensive governmental activities thereunder are studied. *Five hours a week, spring quarter.* Professor Hobbs.

*DEPARTMENT OF EDUCATION

Professors: **M. C. S. NOBLE, ***N. W. WALKER, E. W. KNIGHT, M. R. TRABUE, A. M. JORDAN, W. J. McKEE.
Associate Professors: C. E. PRESTON, P. C. FARRAR, H. F. MUNCH, HUGO GIDUZ.
Assistant Professors: J. M. GWYNN, †A. K. KING.
Instructor: H. P. SMITH.

IN EXTENSION

Professor: GEORGE HOWARD.
Associate Professor: R. W. MORRISON.
Assistant Professor: MRS. J. G. BEARD.

Courses for Undergraduates

31. GENERAL INTRODUCTION TO THE STUDY OF EDUCATION. (5). Required of all prospective high school teachers.

This course attempts to aid prospective teachers in obtaining a general understanding of the philosophy and purposes of public education. It introduces the broad outlines of the history, traditions, organization, and purposes of public schools. An attempt is made to help each student to examine his own abilities, limitations, interests, and personality in the light of requirements for successful teaching of high school students. Textbooks, class exercises, outside observations and readings, and special reports will be required. *Five hours a week, every quarter.* Professors Trabue, McKee.

71. EDUCATIONAL PSYCHOLOGY. (5). Required of all prospective high school teachers.

To consider critically such topics as the original nature of man, heredity versus environment, kinds of learning and factors influencing learning, idividual differences, mental hygiene, and mental measurements is the purpose of this course. Lectures, textbooks, laboratory. *Four lecture and two laboratory hours a week, every quarter.* Professor Jordan.

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* Students who plan to teach in high schools should consult the head of the Department of Education before registering for their junior year. Freshmen and sophomores who know that they wish to teach are advised to consult the Department of Education, as it is almost impossible to meet the legal requirements for high school teaching certificates in certain fields without choosing General College courses in the light of these requirements.

The Class A High School Teaching Certificate in North Carolina requires, in addition to thorough training in the academic subjects to be taught and in the materials and methods used in teaching these subjects, special courses in educational psychology, the principles of secondary education, and one term of practice teaching. Because of limited practice teaching facilities, those who are late in consulting the Department of Education may not be able to secure their practice teaching, in which case only a B Certificate is obtainable.

Required professional courses for certification, or for A.B. with Major in Education: Education 31, 71, 98 (or 99); one or two special methods courses, depending upon the nature of the certificate sought, and one course in directed teaching of the subject chosen; for candidates preparing in only one field, an additional course in Education in place of the second methods course, to total in either case six courses in Education.

NOTE: Students intending to prepare for teaching are advised to consult with members of the faculty in Education as early in their college career as possible, both to give notice of their intention and to see that their courses in the subjects they intend to teach are properly lined up. Generally, it will be necessary or advisable to prepare to teach in two fields.

** Kenan Professor Emeritus.

*** Absent on leave, 1935-1936. Died February 13, 1936.

† Absent on leave, 1935-1936.

82. DIRECTED TEACHING OF HIGH SCHOOL ENGLISH. (5). Prerequisite, courses to be determined by the instructor.

The purpose of this course is to provide actual practice in teaching high school classes in English under supervision. It will include observation of teaching, study of the material taught, and preparation of lesson plans. *Five hours a week, every quarter.* Professor Farrar.

84. DIRECTED TEACHING OF HIGH SCHOOL FRENCH. (5). Prerequisite, courses to be determined by the instructor.

In this course the student carries out as far as possible the plan evolved in Education 183. From passive participation through a period of observation, the student gradually reaches the active stage of teaching. During the latter half of the term he has sole charge of the class, always of course, under the supervision of the instructor. Daily lesson plans; conferences for the discussion of each day's work. *Five hours a week, every quarter.* Professor Giduz.

86. DIRECTED TEACHING OF THE SOCIAL STUDIES. (5). Prerequisite, courses to be determined by the instructor.

In this course the student will at first attend a high school class in history or community civics and observe the methods and technique of conducting the class. After he has observed and prepared the work of the class long enough to become familiar with its operation he will be required to work out a daily lesson plan for each class observed. When, in the judgment of the instructor, the student is sufficiently familiar with the correct methods of procedure, he will be permitted to conduct the class under the personal supervision of the instructor. After each class conducted by the student teacher his work will be discussed and criticised in conference with the supervisor. *Five hours a week, every quarter.* Professor King.

88. DIRECTED TEACHING OF HIGH SCHOOL LATIN. (5). Prerequisite, courses to be determined by the instructor.

The teaching of Latin in the practice school will be observed closely by students for a time; later the work of the classes observed will be fully discussed. After such intensive observation work, the students will be required to work out individual lesson plans for the classes observed. When the instructor believes that the students have had sufficient time to learn the correct method of procedure, he will turn over a class to each one of them to handle independently under his supervision. Critical reports and discussions of the class work of each student teacher will follow. *Five hours a week, every quarter.* Professor Gwynn.

90. DIRECTED TEACHING OF HIGH SCHOOL MATHEMATICS. (5). Prerequisite, courses to be determined by the instructor.

This course familiarizes the student with the actual classroom situation. It consists of the following steps: mastery of subject matter to be taught; preparation for teaching by observation, making lesson plans and conference with the instructor; actual teaching; and discussion with the instructor of techniques used and results obtained. Teaching by the student is the feature of the course. *Five hours a week, every quarter.* Professor Munch.

92. DIRECTED TEACHING OF HIGH SCHOOL SCIENCE. (5). Prerequisite, courses to be determined by the instructor.

The object of this course is to give the student familiarity with the science classroom and laboratory in operation. Entering first as an observer he will gradually be allowed to take over more and more of the work as he is considered qualified to do so. Conferences with the instructor will be an important part of this course. *Five hours a week, every quarter.* Professor Preston.

98. GENERAL METHODS IN SECONDARY EDUCATION. (5). Required of all prospective high school teachers who do not offer Education 99. Prerequisite, Education 71.

The first half of this course deals with the aims of high school teaching and the outcome of learning. In the second half an evaluation of the various techniques and methods of instruction commonly used in high schools is attempted. The course includes a limited amount of observation in the training school. *Five hours a week, winter quarter.* Professor McKee.

99. PRINCIPLES OF SECONDARY EDUCATION. (5). Required of all prospective high school teachers who do not offer Education 98. Prerequisite, Education 71.

A study of the American high school, its evolution, organization, administration, functions, and problems. Special emphasis will be laid on the public high school in North Carolina. This course is designed especially to meet the needs of those students who are looking toward teaching positions in secondary schools. Textbooks, lectures, assigned readings, and reports. *Five hours a week, fall or spring quarters.* Professors Trabue, McKee.

Courses for Graduates and Advanced Undergraduates

101. INTRODUCTORY COURSE IN SCHOOL ADMINISTRATION. (5).

This course will consider the most important problems of school administration, especially as these problems bear on the success of the teacher's work. Students without teaching experience, or teachers without a knowledge of administrative problems, should not register for the more specialized courses in the field of administration until after completing this course. Textbooks, observations, and discussions. *Five hours a week, fall quarter.* Professor Trabue.

103. ELEMENTS OF STATISTICAL METHODS. (5). Prerequisites, Education 71 or Psychology 21-22-23.

This course provides the statistical training needed for understanding reports of modern educational social investigations. Methods of collecting data for educational, psychological, and social studies, procedures and devices used in tabulating data, calculating measures of average, dispersion, and correlations, and dangers in interpreting calculated index numbers will be given special attention. Readings, demonstrations, daily problems, special reports, and critical discussions. *Five hours a week, winter quarter.* Professors Jordan, Trabue.

105. GUIDANCE AND ADMINISTRATION OF PUBLIC SCHOOL PUPILS. (5). Prerequisite, four full courses in education, including one in administration, two years of successful teaching experience.

This course undertakes not only to acquaint the student with the extensive literature of scientific research in pupil personnel work, but also to develop through actual handling of individual records, reports, and materials as many as possible of the important skills required of the principal in the classification and promotion of pupils, in program making, in organization of pupil activities, in student government, in athletics, etc. *Five hours a week, spring quarter.* Professor McKee.

106. GENERAL PRINCIPLES OF OCCUPATIONAL DIAGNOSIS AND GUIDANCE. (5). Prerequisite, practical experience and at least two years of psychology and education.

This course is designed to provide a broad introduction to this field for

graduate students who have had adequate training in general psychology, and some practical experience in business, industry, or a profession. Two fairly distinct groups of students are invited to register for the course: (a) those who plan to become personnel or placement officers in public employment offices, industrial and commercial firms, schools, or colleges; (b) teachers, supervisors, and administrative school officers. *Five hours a week, fall quarter.* Professor Trabue.

108. STATE SCHOOL ORGANIZATION. (5).

Five hours a week, spring quarter. Professor Howard.

121. EXTENSIVE READING PROGRAMS FOR HIGH SCHOOL PUPILS.

The object of the course is to study the reading interests of the adolescent group in classical, standard, and modern books and to demonstrate how an extensive reading program may be correlated with the course of study. *Five hours a week, winter quarter.* Professor Beust.

142. HISTORICAL FOUNDATIONS OF MODERN EDUCATION. (5).

This course traces the development of some of the more important educational problems of modern times as they have been affected by the social and political facts of history, by the contributions of the leading educational theorists, and by institutional practice. Textbooks, lectures, investigations, and reports. *Five hours a week, winter quarter.* Professor Knight.

143. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES. (History 170). (5).

The social and educational institutions and practices of the United States are traced through: (a) the period of transplanting of European institutions; (b) the period of modifications of institutional life to meet new conditions; and (c) the period of development of a social and an educational system of free common schools, high schools, and higher and technical education in harmony with the political and social ideals and institutions of America. Textbook, lectures, investigations, and reports. *Five hours a week, fall quarter.* Professor Knight.

†145. COMPARATIVE EDUCATION. (5).

This is a course in comparative education with emphasis upon the modern educational experience of and the more significant educational movements in certain foreign countries. Attention will be given to education as a means of national advancement and to the development of retarded national cultures through education. *Five hours a week, spring quarter.* Professor Knight.

152. SUPERVISION OF INSTRUCTION IN ELEMENTARY LANGUAGE ARTS.

Oral and written expression, spelling, penmanship, and grammar will be considered during the first half of this course. Reading and children's literature will be discussed during the second half of the course. The techniques and procedures available for improving the quality of instruction in these fields will be given primary attention. *Five hours a week.* Professor McKee.

154. SUPERVISION OF INSTRUCTION IN THE SOCIAL STUDIES.

The problems of supervising elementary school teachers of history, geography and citizenship will be discussed in this course. *Five hours a week.* Professor King.

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† Not given, 1935-1936.

155. SUPERVISION OF INSTRUCTION IN THE NATURAL SCIENCES.

Nature study and elementary science, including physical geography, will be considered in this course. *Five hours a week.* Professor Preston.

†160. CURRICULUM CONSTRUCTION. (5).

The construction and organization of the curricula of the elementary and secondary schools when based upon human needs. Includes consideration of the teacher's function in curriculum construction, objectives of the school subjects, sources of curricular material and criteria for evaluating it, selection and organization of the pupil-activities through which the objectives may be attained. *Five hours a week, winter quarter,* Professor .....

163. EVALUATION OF CLASSROOM INSTRUCTION. (5).

The general and specific objectives of instruction are agreed upon in the early meetings of this course. Criteria are then developed for evaluating the materials, techniques, activities, and outcomes of instruction. The latter part of the course consists in applying the criteria to actual classroom lessons in an attempt to develop skill in observing, evaluating, and improving instruction. *Five hours a week, alternate spring and summer quarters.* Professor McKee.

†164. TESTS AND MEASUREMENTS IN ELEMENTARY EDUCATION. (5). Prerequisite, Education 71 or Psychology 21-22-23.

Methods of measuring and improving the results of instruction in the elementary school will be given detailed consideration in this course. Students will be made acquainted with the most important tests and scales and will be given some experience in interpreting the results both statistically and practically. *Five hours a week, fall quarter.* Professor Trabue.

171. THE PSYCHOLOGY OF ELEMENTARY EDUCATION. (5). *Five hours a week, spring quarter.* Professor Jordan.

†173. MENTAL MEASUREMENTS. (5). Prerequisite, Education 71 or Psychology 21-22-23.

A study of mental tests, both individual and group. The origin of tests will be first considered, followed by a comparative study of the various types of group and individual tests. Ample opportunity will be offered for the actual administration of tests and the interpretation of results. *Five hours a week, spring quarter.* Professor Jordan.

181. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH. (5). Prerequisites to be determined by the instructor.

This course is designed to give practical preparation for the teaching of English in high schools. It includes consideration of the aims, courses of study, and methods found most effective in the teaching of grammar, composition (oral and written), and the different types of literature to pupils of high school age. Applicants should be thoroughly grounded in the fundamental principles of English grammar, should write and speak well, and should have more than average ability to appreciate literature. *Five hours a week, every quarter.* Professor Farrar.

183. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL FRENCH. (5). Prerequisites to be determined by the instructor.

In this course the student studies the development of modern language teaching. Particular stress is laid on present-day tendencies, more especially

† Not given, 1935-1936.

in connection with pronunciation, phonetics, reading, "realia," activities, texts, etc. Weekly reports in readings. Term paper. *Five hours a week, every quarter.* Professor Giduz.

185. MATERIALS AND METHODS OF TEACHING THE SOCIAL STUDIES. (5). Prerequisites to be determined by the instructor.

This course is required of all students who are preparing to teach high school history and other social studies. The aims, functions, and objectives of the social studies will be carefully analyzed and the history of their place in the American secondary school examined. Such problems as planning and organizing the course, textbooks, and library equipment, maps, pictures, and other visual aids will be considered. Following these will be a discussion of the various methods problems such as the recitation, teaching pupils how to study, the lecture, textbook, topical problem and source methods, written work, and testing results. Textbooks, lectures, discussions, special investigations, and reports. *Five hours a week, every quarter* Professor King.

187. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL LATIN. (5). Prerequisites to be determined by the instructor.

This course is designed primarily for students who plan to teach high school Latin, whether as a major or minor subject. The history of the teaching of Latin will be discussed along with modern tendencies of instruction in this field. A special study will be made of high school Latin texts, and reports and discussions will emphasize the various methods used in teaching them. Helpful bibliographies will be compiled and examined. *Five hours a week, winter or spring quarter.* Professor Gwynn.

189. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS. (5). Prerequisites to be determined by the instructor.

A course designed to give those preparing to teach mathematics in high school a comprehensive view of that field. It is composed of six units as follows: history of mathematics, objectives of mathematics teaching, materials, methods, the psychology of mathematics teaching, and measuring in the field of mathematics. Reading and reports on these units will be required. *Five hours a week, every quarter.* Professor Munch.

191. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE. (5). Prerequisites to be determined by the instructor.

Knowledge of science content is assumed. This course considers the objectives and curriculum position of secondary school science, the proper teaching viewpoint, instruction techniques, selection and use of equipment, as background, the development of secondary school science in response to changing economic, social, and educational conditions is briefly studied. Assigned readings introduce the important literature. *Five hours a week, every quarter.* Professor Preston.

194. MEASUREMENTS IN SECONDARY EDUCATION. (5). Prerequisite, Education 71 or Psychology 21-22-23.

Standard tests for measuring the results of secondary school instruction will be examined and discussed. Special attention will be given to the results and needs in North Carolina high schools. Students will be expected to become fairly familiar with the tests and scales and to develop some skill in interpreting results. *Five hours a week, spring quarter.* Professor Jordan.

‡197. SOCIAL POLICY AND EDUCATION. (5).

Fundamental problems in the social and ethical theory of education. Lectures, prescribed readings, essays, and reports. This course deals with problems of social progress from the standpoint of education, attempts to define a social policy for education, and discusses the vital educational issues involved in that policy. *Five hours a week, winter quarter.* Professor .....

*DEPARTMENT OF ENGLISH

Professors: G. R. COFFMAN, F. H. KOCH, J. M. BOOKER, G. M. MCKIE, G. C. TAYLOR, **W. F. THRALL, G. L. PAINE, A. P. HUDSON.

Exchange Professor: Y. Z. CHANG.

Associate Professors: A. C. HOWELL, ***W. D. MACMILLAN III, †E. E. ERICSON, C. P. RUSSELL, RAYMOND ADAMS, R. P. BOND.

Assistant Professors: ***R. P. MCCLAMROCH, W. A. OLSEN, SAMUEL SELDEN, R. B. SHARPE, H. K. RUSSELL, J. O. BAILEY.

Instructors: W. L. WILSON, H. E. DAVIS, G. F. HORNER, H. E. SPIVEY, A. L. WILLIAMS, W. S. WELLS, R. W. NELSON.

Courses for Undergraduates

NOTE: English 1-2-3 and English 21-22-23 are prerequisite to all advanced courses in the department. Juniors will not be admitted to courses for advanced undergraduates except by special permission.

1-2-3. FRESHMAN ENGLISH. (9). Required of all Freshmen except those in the School of Engineering.

Professors Hudson (Chairman), McClamroch, Adams, Harry Russell, Bailey; Messrs. Nelson, Horner, Wilson, Wells, Spivey, Williams, Cox, Mahler, Congleton, Henry, McNeir, Cardwell, Grubb, Hartsell, Langston, Sams, Shackford, Svendsen, Ward, Robertson.

21-22-23. ENGLISH LITERATURE. (9). Prerequisite, English 1-2-3. Sophomore requirement.

Professors Adams (Chairman), Coffman, Booker, McKie, Taylor, Thrall, Paine, Hudson, Chang, Howell, MacMillan, Ericson, Bond, McClamroch, Olsen, Sharpe, Harry Russell, Bailey; Messrs. Wells, Williams, Nelson.

The following two courses are at once courses in literature and courses in speech. As literature courses, they are based on the pedagogical principle of "impression through expression." As speech courses, they deal with voice training and aim at the cultivation of clear and effective expression. In each course original analyses of works read and the oral reading of original papers are required.

‡ Not given, 1935-1936.

* Students interested in having a general major in English will please see the head of the Department or the departmental adviser concerning specific requirements.

For a major in dramatics the following are required: Three courses (5 hours each) from Playwriting, Acting and Directing, Technical Practice; three courses in dramatic literature—English 50, English 161 (or History of the Theatre), English 162 (or 149); one course in "speech". See Special Bulletin on Dramatic Arts.

Those students who plan to teach in public high schools should read the footnote at the bottom of page 67.

** Not in residence, winter, 1936.

*** Absent on leave, 1935-1936.

† Absent on leave, fall, 1935.

41. THE ORAL INTERPRETATION OF DRAMATIC LITERATURE. (5).

Elizabethan, eighteenth-century, and modern plays are used to give variety in dramatic expression. *Five hours a week, fall quarter.* Professor McKie.

42. THE ORAL INTERPRETATION OF NON-DRAMATIC LITERATURE. (5).

A wide variety of poetry from Milton to Masefield is the main material in this course, though work is required in the reading of suitable prose. *Five hours a week, spring quarter.* Professor McKie.

44. PUBLIC SPEAKING: INTRODUCTORY COURSE. (5).

Emphasis on organization of material, outlines, delivery, problems of attention and persuasion. Assigned reading in contemporary public problems as a basis for speaking. *Five hours a week, every quarter.* Professor Olsen.

45. ARGUMENTATION AND PUBLIC DISCUSSION. (5).

Includes analysis of questions, evidence, types of argument, fallacies, problems of persuasion, and practice in parliamentary procedure. *Five hours a week, winter quarter.* Professor Olsen.

50. SHAKESPEARE. (5).

A study of Shakespeare's plays. About twenty representative comedies, tragedies, and histories will be studied. *Five hours a week, fall quarter* (Professor Koch), *spring quarter* (Professor Taylor).

Registration in English 51, 52, 53, 54 is limited. Before registering for these courses, students must secure the permission of the instructors.

51. ADVANCED COMPOSITION: PRACTICAL EXPOSITION. (5).

A course primarily for students in the School of Commerce and Pharmacy, and in science, designed to give practice in writing the forms commonly used in the business world: letters, reports, professional papers, and articles for the press. *Five hours a week, spring quarter.* Professor Howell.

52. ADVANCED COMPOSITION: THE TECHNIQUE OF EXPOSITION. (5).

A course in expository writing for students desiring practice in organization of material. *Five hours a week, fall quarter* (Professor Howell)), *spring quarter* (Professor Phillips Russell).

53. CREATIVE WRITING. (5).

Study of and practice in various forms of original and imaginative writing, including verse, the short story, and the novel. Class criticism and discussion. *Five hours a week, fall quarter.* Professor Phillips Russell.

54. CREATIVE WRITING. (5).

To some extent parallel to the above course, but paying special attention to modern, experimental, and regional writing. *Five hours a week, winter quarter.* Professor Phillips Russell.

The following six courses, English 61, 62, 63, 64, 65, 66, are introductory courses in the theory and practice of the theatre designed for students participating in the work of The Carolina Playmakers. All students registered for the three courses, English 64, 65, 66, will be required to fill positions on the technical staff of the productions of The Carolina Playmakers.

61. ACTING. (5).

Training in the technique of acting. *Five hours class work a week, fall quarter. Fee for materials, 81.00.* Professor Selden.

Registration in English 62, 63 is limited. Before registering for these courses, students must secure the permission of the instructor.

62. REHEARSAL AND PERFORMANCE. (5).

The theory and practice of ensemble acting from the point of view of both the actor and the director. *Five hours classwork a week, winter quarter. Fee for materials, $1.00.* Professor Selden.

63. PLAY DIRECTION. (5). Prerequisite, English 61 or 62.

The theory and practice of play directing. *Two hours lecture and six hours practical work a week, spring quarter. Fee for materials, $2.00.* Professor Selden.

64. SCENERY CONSTRUCTION AND PAINTING. (3).

Elementary theory and practice in the construction and painting of scenery for the stage. *One hour lecture and four hours laboratory a week, fall quarter. (See note preceding course 61.) Fee for materials $1.00.* Mr. Davis

65. STAGE LIGHTING. (3).

Elementary theory and practice in stage lighting, including the choice of equipment and its control in the theatre. *One hour lecture and four hours laboratory work a week, winter quarter. (See note preceding course 61). Fee for materials, $1.00.* Mr. Davis.

66. STAGE DESIGN. (3).

The history of and elementary theory and practice in the designing of scenery for the stage, through the preliminary sketch, the model, and the working drawings. A considerable amount of simple architectural drafting will be required. *One hour lecture and four hours laboratory work a week, spring quarter. (See note preceding course 61). Fee for materials, $1.00.* Professor Selden; Mr. Davis.

70. CHAUCER. (5).

The essential work of the course is a reading of *The Canterbury Tales* and certain other selected works of Chaucer with a view to revealing the poet as a literary artist. *Five hours a week, winter quarter.* Professor Coffman (1936), Professor Bond (1937).

75. BROWNING. (5).

Five hours a week, spring quarter. (1938 and alternate years.) Professor Booker.

79. ENGLISH LITERATURE, 1890-1920. (5).

The aim of this course is to follow the main current of thought in the more significant literature of the three decades closing with the World War. *Five hours a week, fall quarter.* Professor Booker.

81. AMERICAN LITERATURE. (5).

A survey of American literature from 1830 to 1855, with special attention to Poe, Emerson, Thoreau, Lowell, Hawthorne, and Melville. *Five hours a week, fall quarter.* Professor Adams.

82. AMERICAN LITERATURE. (5).

A survey of American literature from Whitman to the present with special emphasis upon the literature of the South. The course includes a study of the local color movement, traces the rise of realism, and surveys the social novel after 1880. *Five hours a week, winter quarter.* Professor Adams.

87. LITERARY ASPECTS OF THE BIBLE. (3).

A study of the literary aspects of the Bible in English translations, with discussion of types and forms of literature, historical development of the Bible, the principal translations, and the influence of the Bible on English literature and on the language. *Three hours a week, spring quarter.* Professor Howell.

88. VICTORIAN LITERATURE I, 1832-1860. (5).

A survey with special attention to Carlyle, Tennyson, and Browning. *Five hours a week, winter quarter.* Professor Booker.

89. VICTORIAN LITERATURE II, 1860-1890. (5).

A survey with special attention to Ruskin, Rossetti, Morris, and Swinburne. (1937 and alternate years.) *Five hours a week spring quarter.* Professor Booker.

91. THE ENGLISH NOVEL. (5).

A study of the English novel from Defoe to Hardy. *Five hours a week, spring quarter.* Professor Harry Russell (1936); Professor MacMillan (1937).

93. ENGLISH DRAMA. (5).

A study of English drama from the beginning to 1900. *Five hours a week, winter quarter.* Professor Sharpe (1936); Professor Coffman (1937).

95. MODERN ENGLISH LANGUAGE. (5).

A study of English of the present day, standard as well as dialectal. The historical backgound and development of English. Comparative studies in British and American English. *Five hours a week, spring quarter.* (1936 and alternate years). Professor Ericson.

98. CONTEMPORARY POETRY. (5).

A study of selections from American and English poets whose work has achieved an individual yet essentially homogeneous expression chiefly since 1918. *Five hours a week, spring quarter.* Professor McClamroch.

99. HISTORY OF ENGLISH LITERATURE. (5).

This course is designed to strengthen the student's factual framework of essential literary history and to enable him to supplement the gaps in his first hand knowledge of important and significant literary productions. It is required of seniors majoring in English whose course average in the department is lower than B, but open to all who desire to prepare for the comprehensive examination. *Five hours a week, fall quarter.* Professor Sharpe.

Permission of the instructor is required for registration in the following course.

100. DIRECTED READING. (5).

Open to advanced students in any department who desire to read in the field of their literary interests. *Five hours a week, spring quarter.* Professor Coffman.

DEBATING 1. (3).

A course in the discussion and analysis of current public questions. Occasional lectures by various members of the faculty *Weekly meetings throughout the year.* Professor Olsen (Chairman).

Courses for Graduates and Advanced Undergraduates

101. OLD ENGLISH GRAMMAR AND READINGS. (5).

Selections for translations from Early and Late West Saxon prose and from Old English poetry. Drill in the principles of English philology. Old English in relation to the other Germanic languages. *Five hours a week, fall quarter.* Professor Ericson.

105. MEDIEVAL ROMANCE IN ENGLISH. (5).

A survey of medieval romance and romance materials in English literature, with particular attention to the Arthurian tradition. *Five hours a week, winter quarter.* Professor Thrall.

111. ENGLISH LITERATURE OF THE RENAISSANCE. (5).

A survey of the literature of the Elizabethan period, exclusive of the drama. *Five hours a week, fall quarter.* Professor Thrall.

112. SPENSER. (5).

The works of Spenser are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study. *Five hours a week, spring quarter.* Professor Thrall.

113. ENGLISH DRAMA, 1500-1600. (5).

English Drama in the Sixteenth Century with preliminary consideration of the religious drama in Western Europe and in Medieval England. *Five hours a week, fall quarter.* Professors Coffman, Sharpe.

114. ENGLISH DRAMA, 1600-1642. (5).

Five hours a week, winter quarter. Professor Sharpe.

121. ENGLISH LITERATURE, 1616-1700. (5).

The non-dramatic literature of the period. *Five hours a week, winter quarter.* (1938 and alternate years.) Professor Howell.

125. MILTON, (5).

The works of Milton are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study. *Five hours a week, fall quarter.* Professor Taylor.

131. ENGLISH LITERATURE, 1700-1780. (5).

The non-dramatic literature of the period. *Five hours a week, fall quarter.* Professors MacMillan, Bond.

133. RESTORATION AND EIGHTEENTH-CENTURY DRAMA. (5).

A study of the drama from 1660 to 1800. *Five hours a week, spring quarter.* Professor Sharpe (1936); Professor MacMillan (1937).

141. ENGLISH LITERATURE, 1780-1830. (5).

A survey of English literature of the romantic period with especial attention to the greater poets. *Five hours a week, winter quarter.* Professor Hudson.

149. NINETEENTH-CENTURY DRAMA. (5).

A study of representative English plays in the nineteenth century. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Koch.

151. EARLY AMERICAN LITERATURE. (5).

A survey of the literature of the colonial, revolutionary, and early national periods, including Bryant, Irving, and Cooper. *Five hours a week, fall quarter.* Professor Paine.

The following three courses in Play Writing, English 155, 156, 157, should be taken consecutively. If it is not practicable to do this, however, the student may, with the consent of the instructor, take any one of the three courses offered. Under exceptional circumstances a student may repeat one or more of the courses for credit. Special permission is necessary for this privilege.

155. PLAY WRITING. (5).

A practical course in playwriting and experimental production. In all three of the playwriting courses emphasis is placed on the native tradition and present-day life of the region with which the student is most familiar. The student is expected to direct experimental productions of plays written in the course. The best of these are given public production by The Carolina Playmakers. *Four hours lecture and two hours practical work a week, fall quarter. Fee for experimental production, $2.00.* Professors Koch, Selden.

156. PLAY WRITING. (5).

The principles of dramatic construction and practice in the writing and production of one-act plays. Experimental and public productions. *Four hours lecture and two hours practical work a week, winter quarter. Fee for experimental production, $2.00.* Professors Koch, Selden.

157. PLAY WRITING. (5).

Practice in writing one-act and full-length plays with experimental and public productions by The Carolina Playmakers. *Four hours lecture and two hours practical work a week, spring quarter. Fee for experimental productions, $2.00.* Professors Koch, Selden.

161. COMPARATIVE DRAMA. (5).

A general survey of the drama and the theatre from Æschylus to Ibsen. The development of dramatic literature is studied through representative plays (in translation) of the leading European dramatists. *Five hours a week, winter quarter.* Professor Koch.

162. MODERN DRAMA. (5).

A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. *Five hours a week, spring quarter.* (1938 and alternate years.) Professor Koch.

163. LITERARY CRITICISM. (5).

The principles which have animated classical, romantic, and realistic literature. *Five hours a week, winter quarter.* Professor Bond.

167. THE ENGLISH BALLAD. (5).

A study of the English and Scottish popular ballads, with a survey of ballad survivals in America, particularly in North Carolina. Students in the course who may have access to ballads in oral circulation will be encouraged to collect them. *Five hours a week, spring quarter.* Professor Hudson.

*DEPARTMENT OF GENERAL AND COMPARATIVE LITERATURE

Professors: **Howe (Chairman), Koch, Bernard, ***Holmes, Thrall, Taylor, Coffman, Zucker, Adams, †Huse, Lyons.
Associate Professors: Metzenthin, Howell, Boggs, Stoudemire, Bond, Wiley.
Instructor: Friederich.

Courses for Undergraduates

61. GREEK LITERATURE. (5).

A study of the masterpieces of Greek literature in English translation, with special reference to the contribution of Greece to modern thought. *Five hours a week, fall quarter.* Professor Bernard.

62. LATIN LITERATURE. (5).

A study of the masterpieces of Latin literature in English translation, with special reference to the contribution of Roman civilization to modern thought. *Five hours a week, winter quarter.* Professor Howe.

65. ORIENTAL LITERATURE. (5).

The epics, dramas, etc., of the Hindus, Chinese, and other peoples are studied for their revelation of the Oriental outlook on life, and for their contribution to Occidental literature and thought. (1938 and alternate years). *Five hours a week, spring quarter.* Professor Holmes.

67. CONFUCIANISM AND CHINESE LITERATURE. (3).

A survey of Chinese civilization. Lectures on the development of the Confucian tradition and its influence on literature will be accompanied by readings in literature and philosophy. The comparative method of presentation will be employed. *Three hours a week, spring quarter* (1936). Professor Chang.

68 (75). SHAKESPEARE. (5).

A study of Shakespeare's plays. About twenty representative comedies, tragedies, and histories will be studied. *Five hours a week, fall quarter* (Professor Koch), *spring quarter* (Professor Taylor).

70. CHAUCER. (5).

The essential work of the course is a reading of *The Canterbury Tales* and certain other selected works of Chaucer with a view to revealing the poet as a literary artist. *Five hours a week, winter quarter.* Professor Coffman.

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* The purposes of Courses in this department are: to offer students who cannot study certain of the classical and modern languages an opportunity to become familiar with the most important works translated from them; to furnish a view of the culture and values of the past and of various nations; to present a survey of the most important figures in world literature, including English; and to provide, in the case of certain courses, a more strictly comparative study of literary forms and movements.

An undergraduate major in the department consists normally of six to eight of the following courses (at least two of which must be from the classics): Homer; Virgil; Ovid; the Greek Drama; Cervantes; Shakespeare; Milton; French Classicism; Lessing and Schiller; Goethe; and Dante. In case of special needs other courses in the department may be substituted.

** Absent on leave, 1935-1936.

*** Absent on leave, fall and winter, 1935-1936.

† Acting Chairman, 1935-1936.

87. LITERARY ASPECTS OF THE BIBLE. (3).

A study of the literary aspects of the Bible in English translations, with discussion of types and forms of literature, historical development of the Bible, the principal translations, and the influence of the Bible on English literature and on the language. *Three hours a week, spring quarter.* Professor Howell.

Courses for Graduates and Advanced Undergraduates

103 (113). HOMER, THE ILIAD AND ODYSSEY. (5).

The epic as a literary form; origins, Mycenaean civilization, literary characteristics, comparison of the chief English translations. *Five hours a week, winter quarter.* Professor Bernard.

107 (155). GREEK DRAMATIC LITERATURE. (5).

A course designed to embrace the origin, development, technique, and content of Greek drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress. *Five hours a week, spring quarter.* Professor Bernard.

111. VERGIL, THE ÆNEID. (5).

The history of the Latin epic; a detailed study of the Aeneid. *Five hours a week, spring quarter.* Professor Howe.

112. OVID. (5).

The reading in English of the complete works of Ovid. Special critical studies in the Metamorphoses. The influence of Ovid on later writers. *Five hours a week, fall quarter.* Professor Howe.

117 (157). CERVANTES. (5).

Consideration of the Romances of Chivalry in Spain; study of Cervantes' *Don Quixote* and the *Exemplary Novels* in English translation. *Five hours a week, spring quarter.* Professor Stoudemire.

121, 122. LESSING AND SCHILLER. (5).

Their lives and works; their philosophical, theological, social, and literary views; their indebtedness to earlier literature and their influence on later thinkers and writers. Course 121 (Lessing), *three hours a week, winter quarter;* Course 122 (Schiller), *three hours a week, spring quarter.* (1937 and alternate years). Professor Metzenthin.

125. MILTON. (5).

The works of Milton are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study. *Five hours a week, fall quarter.* Professor Taylor.

135 (159). FRENCH CLASSICISM. (5).

A general survey of the origins of classicism in France. Assigned readings in the Greek and Latin writers with emphasis on the modification of their art which explains the masterpieces of the French 17th century. A large part of the course will be given over to the plays of Corneille, Molière, Racine, and their contemporaries. The decline of classicism in France, and the evolution toward an unrestricted type of literature. *Five hours a week, spring quarter.* Professor Wiley.

155 (123). GOETHE. (5).

A study of the man, thinker, and poet in connection with the German and general European movements of thought and literature in his time. Lectures and reports. (1936 and alternate years). *Five hours a week, spring quarter.* Professor Zucker.

156. DANTE. (5).

A study of translations of the *Vita Nuova* and the *Divine Comedy;* the precursors of Dante and the poets of the *dolce stil nuovo.* Special studies of Dante's political and social philosophy, with particular emphasis on Dante as a poet and as a guide. *Five hours a week, winter quarter.* Professor Huse.

161. COMPARATIVE DRAMA. (5).

A general survey of the drama and the theatre from Aeschylus to Ibsen. Special attention is given to the function of the drama in representative plays of the leading European dramatists. *Five hours a week, winter quarter.* Professor Koch.

162. MODERN DRAMA. (5).

A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. (1938 and alternate years). *Five hours a week, spring quarter.* Professor Koch.

163. LITERARY CRITICISM. (5).

The principles which have animated classical, romantic, and realistic literature. *Five hours a week, spring quarter.* Professor Bond.

165. IBSEN. (5).

A study of Ibsen's dramas in English translation. Special attention is given to the inter-relation of the author's life and his plays; the romantic, realistic, and symbolic phases of his work; "the Ibsen technique"; Ibsen's message and influence. *Five hours a week, winter quarter.* Professor Zucker.

170 (151). THE MIDDLE AGES. (5).

A survey of Medieval France, England, Germany, Spain, Italy, and Byzantium, from the point of view of civilization and especially of art and literature. (1937 and alternate years). *Five hours a week, fall quarter.* Professor Holmes.

173 (105). MEDIEVAL ROMANCE. (5).

A survey of Medieval romance and romance materials in English literature, with particular attention to the Arthurian tradition. (Same as English 105). *Five hours a week, spring quarter.* Professor Thrall.

175. (152). THE RENAISSANCE. (5).

An account of the establishment of modern European culture. Lectures on the history, science, fine arts, literary scholarship, and literature of the Renaissance in Italy, France, Germany, the Netherlands, and England. (1936 and alternate years). *Five hours a week, fall quarter.* Professors Holmes (Chairma), Adams, Lyons; Messrs. Linker, Friederich.

177. LITERARY INFLUENCES IN FRANCE, GERMANY, AND ENGLAND IN THE EIGHTEENTH CENTURY. (5).

The *Querelle des Anciens et des Modernes;* French classicism (Voltaire) in its defence against growing English Pre-romanticism and German Strum

und Drang. The influence of Shakespeare and Milton on the continent of Rousseau, Goethe, and Schiller in France and England. *Five hours a week, winter quarter.* Mr. Friederich.

185. INTRODUCTION TO FOLKLORE. (5).

Origin, evolution, and bibliography of types. Literary significance, as seen in the development of prose fiction. Collections, such as the *Panchatantra, Seven Sages, Arabian Nights,* etc., and the continuation of these tales through medieval and modern literature. *Five hours a week, winter quarter.* Professor Boggs.

*DEPARTMENT OF GEOLOGY AND GEOGRAPHY

Professor: W. F. PROUTY.
Associate Professor: G. R. MACCARTHY.
Assistant Professors: S. T. EMORY, J. W. HUDDLE.
Instructor: H. W. STRALEY.

Geology: Courses for Undergraduates

11-12-13. INTRODUCTION TO GEOLOGY AND GEOGRAPHY. (12). Professors Prouty, MacCarthy, Huddle, Emory; Assistants.

41-42. INTRODUCTION TO GEOLOGY. (12).

A fuller course in general geology. Sophomore, Junior, and Senior elective. Geology 41 is offered in the fall and spring quarters, in the summer session, and on the summer transcontinental tour. Geology 42 is offered in the winter quarter and in the summer session. *Four lecture and four laboratory hours a week. Laboratory fee, $3.00 a quarter.* Professors: Prouty, MacCarthy, Huddle; Assistants.

43, 44. MINERALOGY. (5 each). Prerequisite, Introduction to Geology, Chemistry 1-2-3 or 4-5.

Crystallography, physical and chemical properties of minerals, blowpipe analysis; lectures, laboratory work, and field work. *Two lecture and six laboratory hours a week, fall and winter quarters. Laboratory fee, $5.00 a quarter.* Professor MacCarthy.

45. METEOROLOGY. (5).

A study of the atmosphere and the factors controlling the weather; the making and interpetation of weather maps; weather forecasting. *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $2.50.* Professor MacCarthy.

47. PALEONTOLOGY. (5). Prerequisite, Introductory Geology.

Introduction to invertebrate paleontology. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $3.50.* Professor Huddle.

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* For A.B. with Major in Geology there are required beyond General Geology: Geology 43, 47, 121, and two from the following five: 105, 111, 122, 133, and 181. Two introductory courses each in chemistry and physics are required, but may be taken in the General College. Four additional courses are to be chosen from allied departments, and six courses outside the Division of Natural Sciences.

For S.B. in Geology there are required: Freshman year—Chem. 1-2-3, Soc. Sci. 1-2-3, Engl. 1-2-3, Math. 1-2-3. For. Lang. 11-12-13; Sophomore year—Engl. 21-22-23. Geol. 11-12-13, Math. 41-42-43, Chem. 31, Geol. 43-44. Further requirements are 9 specified courses in Geology, 2 courses in Physics, and 9 general elective courses.

48-49. SUMMER FIELD COURSE IN GEOLOGY. (10). Prerequisite, Introductory Geology.

A six weeks' course to be given in North Carolina and bordering states. This course will coincide with the scheduled six weeks' summer school course. It may also be taken on the transcontinental tour. *Equivalent of five hours a week for two quarters.* Professors Prouty, MacCarthy, Huddle.

Geography: Courses for Undergraduates

14. PHYSICAL GEOGRAPHY. (5).

Principles of physical geography, with special application to the North American Continent. Lectures, assigned readings, laboratory work. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $2.50.* Professors Prouty, MacCarthy, Huddle, Emory.

This course may also be taken as a field course during the summer.

15. ELEMENTS OF GEOGRAPHY. (5).

A rapid survey of the world on the basis of climatic regions. The human activities of each region are studied as adjustments to the geographic factors of that region. *Five hours a week, fall or spring quarter. Laboratory fee, $1.50.* Professor Emory.

51, 52. INDUSTRIAL AND COMMERCIAL GEOGRAPHY. (5 each).

The course deals with man's interaction with his varying environments in the development of industries, and with the geographic conditions of different countries as giving rise to commerce. *Five hours a week, fall and winter quarters. Laboratory fee, $2.50 a quarter.* Professor Emory.

53. POLITICAL GEOGRAPHY. (5).

The course deals with geographic factors affecting international relations. *Five hours a week, spring quarter. Laboratory fee, $2.50.* Professor Emory.

57. GEOGRAPHY OF NORTH AMERICA. (5).

This course deals with the physical features, soils, minerals, climatic resources, and transportation facilities of North America. *Five hours a week, reading and reports, winter quarter.* Professor Emory.

Geology: Courses for Graduates and Advanced Undergraduates

105. ELEMENTS OF GEOPHYSICS. (5). Prerequisite, Introduction to Geology and Freshman Mathematics.

The fundamental principles of geophysics, the application of these principles to practical problems. This course may be continued for not more than two additional quarters under the numbers 106 and 107. *Four lecture and two laboratory hours a week, fall quarter. Laboratory fee, $5.00 a quarter.* Professor MacCarthy.

111, 112, 113. ECONOMIC GEOLOGY. (5 each). Prerequisite, Introduction to Geology, Geology 43, 44, Chemistry 1-2-3 or 4-5.

The first course will deal chiefly with the principles of ore formation and their economic development. The two following courses will deal with the better known mineral deposits, both metallic and non-metallic. (1935-36 and alternate years). *Three lecture and four laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $3.50 a quarter.* Professor Prouty; Assistant.

121, 122. FIELD AND STRUCTURAL GEOLOGY. (5 each). Prerequisite, Introduction to Geology.

The first quarter deals with geological note taking, surveying, map making, and field practice; the second quarter deals with structural geology and map interpretation. *Three lecture and four laboratory hours a week, fall and winter quarters.* (1936-1937 and alternate years.) *Laboratory fee, $3.50 a quarter.* Professor Prouty; Assistant.

123. OIL GEOLOGY. (5). Prerequisite, Geology 121, 122.

A study of the origin, distribution, and accumulation of petroleum, with special relation to the oil fields of North America; methods of prospecting oil, recovery of oil, the valuation of oil properties. *Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, $3.50.* Professors Prouty, Huddle.

131. ADVANCED CRYSTALLOGRAPHY. (5). Prerequisite, Chemistry 1-2-3 or 4-5, Geology 43, 44.

This course includes a detailed consideration of the nature of crystals, crystalline substances, and crystal drawing. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $3.50.* Professor MacCarthy.

133. PETROLOGY. (5). Prerequisite, Introduction to Geology, Geology 43, 44, Chemistry 1-2-3 or 4-5.

A study of the origin, classification, and distribution of rocks. *Three lecture and four laboratory hours a week, fall quarter. Laboratory fee, $3.50.* Professor Prouty; Assistant.

134. PETROGRAPHY. (5). Prerequisite, Introduction to Geology, Geology 43, 44, Chemistry 1-2-3 or 4-5.

The polarizing microscope is used to study minerals and rocks. *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $3.50.* Professor Prouty.

148-149. ADVANCED FIELD GEOLOGY. (10).

This course is similar to 48-49 but is to be given in alternate years and in a different type of geological area. Professors Prouty, MacCarthy, Huddle.

171-172-173. ADVANCED PALEONTOLOGY. (15).

A study of index fossils, their classification and use. These courses may be continued under numbers 174-175-176 as Micro-paleontology. *Three lecture and four laboratory hours a week, fall, winter, and spring quarters.* (1935-1936 and alternate years). *Laboratory fee, $3.50 a quarter.* Professor Huddle.

181-182-183. ADVANCED HISTORICAL GEOLOGY. (15). Prerequisite, Introductory Geology.

Five hours a week, fall, winter, and spring quarters. (1936-1937 and alternate years.) Professor Huddle.

191, 192, 193. APPLIED GEOPHYSICS. (5). Prerequisite, Mathematics through Calculus.

A survey of geophysical methods used for the detection of ore deposits, oil, etc.; a description of geophysical instruments and their use; actual geophysical surveys of selected areas about Chapel Hill. *Three lecture and four laboratory hours a week, fall, winter and spring quarters.* Professor MacCarthy; Mr. Straley; Assistant.

Geology or Geography: Courses for Graduates and Advanced Undergraduates

141, 142, 143. ADVANCED FIELD WORK AND SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY. (5 each).

Problems and work adapted to the special needs of the student. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Five hours a week, fall, winter and spring quarters.* Professors Prouty, MacCarthy, Huddle, Emory; Assistants.

*DEPARTMENT OF GERMANIC LANGUAGES

Professors: A. E. Zucker, K. J. Brown.
Associate Professor: E. C. Metzenthin.
Instructors: F. E. Coenen, W. P. Friederich.

Courses for Undergraduates

1-2-3. ELEMENTARY AND INTERMEDIATE GERMAN. (9).
Messrs. Coenen, Backenstoss, Cook, Lloyd.

Note: Attention is called to German 14-15-16, designed for upperclassmen who have fulfilled the requirements in another foreign language.

11-12-13. INTERMEDIATE GERMAN. (9).
Professor Metzenthin; Mr. Coenen.

14-15-16. SPECIAL COURSE IN ELEMENTARY GERMAN. (9).
Professor Metzenthin.

21-22-23. ADVANCED GERMAN. (9). Prerequisite, German 1-2-3 or 11-12-13 or the equivalent.

Professors Zucker, Brown; Mr. Friederich.

51. PRACTICE IN WRITING AND SPEAKING GERMAN. (5). Prerequisite, German 23. *Five hours a week, fall quarter.* Mr. Coenen.

61. GERMAN CIVILIZATION. (5). Prerequisite, German 51.

Lectures on German geography, history, institutions, art, music, and customs. All lectures, discussions, and reports are in German. *Five hours a week, winter quarter.* Professor Metzenthin.

71. ADVANCED GRAMMAR AND SYNTAX. (5). Prerequisite, German 23.

A course open to juniors and seniors who wish to improve their knowledge of German grammar and idiom. Intensive review of grammar in connection with written composition. *Five hours a week, spring quarter.* Mr. Coenen.

Courses for Graduates and Advanced Undergraduates

101-102. GOETHE. (10). Prerequisite, German 23.

Study of his life. Reading and interpretation of representative works, including Faust I. Lectures and reports. *Five hours a week, fall and winter quarters.* Professor Brown.

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* (1) Students are requested to consult with the departmental adviser in regard to the requirements of a major in German.

111. GERMAN DRAMA IN THE NINETEENTH CENTURY. (5). Prerequisite, German 23.

Kleist, Grillparzer, Hebbel, Ludwig, Hauptmann. Reading, lectures, reports. *Five hours a week.* (Not given in 1936-1937). Professor Brown.

112. LATE MEDIEVAL RENAISSANCE, AND BAROQUE LITERATURE IN GERMAN. (5). Prerequisite, German 23.

German literature and its cultural background from 1400 to 1700. Extensive outside reading and reports. *Five hours a week, spring quarter.* (1936 and alternate years). Mr. Friederich.

121, 122. LESSING AND SCHILLER IN ENGLISH TRANSLATION. (For description see General and Comparative Literature 121, 122.)

131. LESSING AND HIS TIME. (5). Prerequisite, German 23.

New trends in German literature from 1700 to 1780. French and English influences. Wieland, Klopstock, Herder. Lectures, translation, and reports. *Five hours a week, fall quarter.* (1936 and alternate years). Mr. Friederich.

132. SCHILLER. (5). Prerequisite, German 23.

Study of Schiller's life and works with emphasis on his historical dramas. Lectures, translation, and reports. *Five hours a week, winter quarter, alternating with German 142.* Professor Zucker.

141. ROMANTICISM AND YOUNG GERMANY. (5). Prerequisite, German 23.

German literature from 1800 to 1850. Lectures, translation, and reports. *Five hours a week, spring quarter.* Mr. Friederich.

142. GERMAN LITERATURE SINCE 1850. (5). Prerequisite, German 23.

A study of later 19th century literature, with emphasis on the naturalistic and neo-romantic movements. Lectures, translation, and reports. *Five hours a week, winter quarter, alternating with German 132.* (Not given 1936-1937). Professor Zucker.

151. PROSEMINAR. (2½). Prerequisite, German 23.

Discussion of literary genres. Analysis of the styles of different authors. *Two hours a week, fall quarter; if demanded, continued in winter.* Mr. Friederich.

155. GOETHE IN ENGLISH TRANSLATION. (For description see General and Comparative Literature 155. This course was numbered 123 in the catalog for 1934-1935).

161. HISTORY OF THE GERMAN LANGUAGE. (5). Prerequisite, a fair knowledge of written and spoken German.

Development of grammatical forms, pronunciation, writing and printing of the German language, as well as of semantic changes under external and internal influences from Gothic through Old High German, Middle High German down to New High German. Emphasis on bibliography and the reading of original documents from the various periods. Comparison with similar developments in English. *Five hours a week, fall quarter.* Professor Metzenthin.

*DEPARTMENT OF HISTORY

Professors: A. R. Newsome, H. M. Wagstaff, W. W. Pierson, M. B. Garrett, W. E. Caldwell, **L. C. MacKinney, H. T. Lefler, ***F. M. Green.
Visiting Professor: H. K. Beale.
Assistant Professors: J. C. Russell, Cecil Johnson, C. H. Pegg.
Instructors: R. D. Meade, J. C. Sitterson, †Dan Lacy.

Courses for Undergraduates

SOCIAL SCIENCE 1-2-3. (9). Freshman requirement.

Professors Johnson, Pegg, Russell; Messrs. Lacy, Meade, Sitterson; Professors Robson (Political Science), Buchanan (Economics), Mr. Douty (Economics).

Note: Social Science 1-2-3 is prerequisite to all other courses in this department.

12. AMERICAN BIOGRAPHY. (5). Freshman or sophomore elective. *Five hours a week, spring quarter.* Professor .....

21-22-23. AMERICAN HISTORY: GENERAL COURSE. (9). Sophomore elective.

Professors Newsome, Green.

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* A student choosing history as his department of major interest must elect either American history or European history as his field of specialization and complete a minimum of six approved courses of advanced level in the field of his choice. The requirement for the major in American history shall be eight approved courses of advanced level, if the student has not completed History 21-22-23 or History 71-72 with a minimum grade of B; and a like number (eight) for a major in European history if the student has not completed History 41-42 or History 44-45-46 with a minimum grade of B. The student must take at least four of his six or five of his eight courses from his field of specialization; he may elect the remaining courses of his major from the other field. All history courses numbered above 50, except History 71-72, may be credited toward the major.

Those students who plan to teach in public high schools should read the footnote at the bottom of page 67.

Note: READING FOR HONORS IN HISTORY:

Students whose major is History are required to select one of the following fields of specialization: Ancient and Medieval History, Modern European and English History; American and Hispanic-American History.

Students may with the approval of the Department elect to read for honors. This election must be made before the end of the first quarter of the Junior year. A committee composed of the Professors giving courses in the student's field of specialization will be appointed for each student so electing. The committee will advise with the student on his program of courses and will assign to him a specific period or phase of the field for intensive reading. They will require reports on such readings at regular intervals.

The student will be expected to submit before the end of the senior year an essay, prepared under the guidance of the committee and dealing with some particular topic in the field of the reading. While not necessarily a contribution to knowledge, the paper should show ability in the technique of historical research.

Near the close of the Senior year, the student will be required to stand an oral examination in which he will be expected to show a reasonable mastery of the field of his reading.

Students who pass shall receive a credit of two full courses toward graduation and at commencement shall be given a certificate "with honors" or "with highest honors".

The credit allowed for reading for honors may be applied to the fulfillment of the requirements for the major.

** Absent on leave, winter and spring quarters, 1935-1936.

*** Absent on leave, 1935-1936.

† Resigned.

41-42. ANCIENT AND MEDIEVAL HISTORY: GENERAL COURSE. (10).

A course dealing with the history of civilization from its beginnings to 1500 A. D. The first half of the course is devoted to the Orient, Greece, and Rome to the time of Constantine; the second half, to Western Europe in particular, from the time of Rome's decline to the age of the Renaissance and Reformation. Sophomore elective. *Five hours a week, winter and spring quarters.* Professors Caldwell, MacKinney.

44-45-46. ENGLISH HISTORY: GENERAL COURSE. (9).

A survey course in British history from early times to the present. Textbooks, readings, lectures. Sophomore elective. *Three hours a week throughout the year.* Professor Wagstaff.

51. THE ORIENT AND EARLY GREECE. (5).

The history of the Bronze Age in the Mediterranean, the beginning of civilization in Egypt, Babylonia, Syria and Palestine, and Crete, and the history of their development down to the time of the Persian Empire. *Five hours a week, fall quarter.* (1937 and alternate years.) Professor Caldwell.

52. GREECE: THE CLASSICAL PERIOD. (5).

A history of the classical period of ancient Greece. Particular attention will be given to the growth of democracy, social and economic aspects, artistic, literary, and religious developments. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Caldwell.

53. HELLENISTIC GREECE AND THE ROMAN REPUBLIC. (5).

A survey of the Greek world in the post-Alexandrian epoch and the history of Rome to the death of Caesar. *Five hours a week, fall quarter.* (1936 and alternate years). Professor Caldwell.

54. THE ROMAN EMPIRE. (5).

The history of Rome from Augustus to Constantine; the organization and administration of the Roman Empire; social, economic, and religious conditions and developments; the decline of ancient culture, and the rise of Christianity. *Five hours a week, spring quarter.* (1937 and alternate years). Professor Caldwell.

64. EARLY MEDIEVAL EUROPE: THE "DARK" AGES (300-1000). (5).

The evolution of medieval civilization from declining Rome, victorious Christianity, and migrating Germanic peoples to the disintegration of the empire of Charles the Great. Government, religion, and culture during the "Dark" Ages. *Five hours a week, fall quarter.* Professor MacKinney.

65. EUROPE IN THE CRUSADING AGE (1000-1300). (5).

The rise of national monarchies, chivalry, towns, and the Church; the expansion of Europe in the Crusades; the struggle between Church and State; the rise of Universities; Romanesque and Gothic architecture; the climax of medieval civilization in the XII and XIII centuries. *Five hours a week, winter quarter.* Professor MacKinney.

66. THE AGE OF THE RENAISSANCE (1250-1550). (5).

The evolution of modern civilization in Italy and the transalpine countries; the blending of medieval and classical elements; the political and economic background; the rise of national states and vernacular literatures; the arts; literature; humanism; education; discovery and invention. *Five hours a week, spring quarter.* Professor MacKinney.

71-72. (47-48). AMERICAN HISTORY: GENERAL COURSE. (10).

A general survey of the history of the United States. Lectures, textbooks, readings. Junior-senior elective. Both 21-22-23 and 71-72 may not be taken for credit by a student. *Five hours a week, winter and spring quarters.* Professor Lefler.

85. ECONOMIC HISTORY OF THE NINETEENTH CENTURY. (5).

Open only to students in the School of Engineering. Special emphasis on European nations and the United States. *Five hours a week, spring quarter.* Professor Garrett.

91. HISPANIC-AMERICAN COUNTRIES DURING THE NATIONAL PERIOD. (5).

A general course concerned with the political, social, economic, and cultural history of these countries from independence to the present time. Lectures, readings. *Five hours a week, spring quarter.* Professor Pierson.

Courses for Graduates and Advanced Undergraduates

101. PERIOD STUDIES IN GREEK HISTORY. (5).

This course will be devoted to an intensive study of the sources, literature and historical problems of a selected period of Greek History. In 1938, attention will be directed to the history of the Greek World during the Fourth Century B. C. *Five hours a week, spring quarter.* (1938 and alternate years). Professor Caldwell.

102. PERIOD STUDIES IN ROMAN HISTORY. (5).

A course in a selected period of Roman History, given for the same class of students and under the same conditions as History 101. The period to be treated in 1937 will be the Age of Augustus. *Five hours a week, spring quarter.* (1937 and alternate years). Professor Caldwell.

121. MEDIEVAL CIVILIZATION. (5).

An intensive study of the classical culture heritage and of the evolution of culture during the Middle Ages. Lectures, readings, reports. *Five hours a week, fall quarter.* (1937 and atlernate years). Professor MacKinney.

122. SOCIAL-ECONOMIC HISTORY OF THE MIDDLE AGES. (5).

An intensive study of the social and economic life of the Middle Ages. Lectures, readings, reports. *Five hours a week, fall quarter.* (1936 and alternate years). Professor MacKinney.

131. THE PROTESTANT REVOLT. (5).

Europe in the Sixteenth Century. *Five hours a week, fall quarter.* Professor Garrett.

132. THE RISE OF ABSOLUTISM IN EUROPE. (5).

Europe in the Seventeenth Century. *Five hours a week, winter quarter.* Professor Garrett.

133. THE FRENCH REVOLUTION. (5).

An intensive study of the causes, events, and results of the French Revolution. *Five hours a week, fall quarter.* Professor Garrett.

134. THE NAPOLEONIC PERIOD. (5).

Particular attention paid to effects on the states surrounding France and to results in Europe. *Five hours a week, winter quarter.* Professor Garrett.

135. RISE OF DEMOCRACY AND NATIONALISM IN MODERN EUROPE. (5).

Europe from 1815 to 1870. *Five hours a week, spring quarter.* (1938 and alternate years). Professor Garrett.

136. RECENT AND CONTEMPORARY EUROPEAN HISTORY. (5).

The World War and its aftermath. *Five hours a week, spring quarter.* (1937 and alternate years). Professor Garrett.

138. ENGLAND FROM 1603 TO 1760. (5).

The national development and expansion of the British state during the period covered. Lectures, readings. *Five hours a week, fall quarter.* Professor Wagstaff.

139. GREAT BRITAIN FROM 1760 TO THE PRESENT. (5).

Evolution of the British state as shaped by modern forces. Lectures, readings. *Five hours a week, winter quarter.* Professor Wagstaff.

143. THE DIPLOMATIC HISTORY OF THE UNITED STATES. (5).

A course designed to present the experiences of the United States in its relations with other nations from independence to the present time. Lectures, readings, reports. *Five hours a week, spring quarter.* Professor Frazer.

149. THE AMERICAN COLONIES, 1606-1689. (5).

A survey of European backgrounds and a study of the founding of England's continental colonies; their political, social, economic, and cultural development; and their relations to each other and to the British Empire. Lectures, readings, reports. *Five hours a week, fall quarter.* Professor Lefler.

150. THE AMERICAN COLONIES, 1689-1783. (5).

A study of the political, social, economic, and cultural history of the colonies from 1689 through the American Revolution. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Lefler.

151. THE FEDERAL PERIOD, 1783-1815. (5).

A study of the Articles of Confederation, the formation and adoption of the Federal Constitution, the launching of the government, Jeffersonian democracy, the westward movement, and the Second War for Independence. Lectures, readings, reports. *Five hours a week, fall quarter.* Professor Newsome.

152. THE ANTE-BELLUM PERIOD, 1815-1860. (5).

A study of the westward movement, states-rights philosophy, Jacksonian democracy, development of nationalism, controversy over negro slavery, and the causes of the war for Southern Independence. Lectures, readings, reports. *Five hours a week, spring quarter.* Professor Newsome.

153. SECESSION AND CIVIL WAR. (5).

The course deals with the secession movement before 1860, and the important constitutional, political, and economic aspects of the Civil War in the United States. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Green.

154. THE RECONSTRUCTION PERIOD. (5).

The course deals with the constitutional, political, social, and economic aspects of the period, 1865-1877. Lectures, readings, reports. *Five hours a week, spring quarter.* Professor Green.

155. RECENT AMERICAN HISTORY, 1876-1898. (5).

Emphasis will be placed on the influence of the Civil War and Reconstruction upon subsequent American history; the war amendments in theory and practice; business and politics; the Granger movement; the currency question; the tariff legislation; the trust problem; foreign relations; the Spanish-American War and its results; party politics; political dissent; and interpretation of democracy. Lectures, textbooks, readings. *Five hours a week, fall quarter.* Professor Pierson.

156. RECENT AMERICAN HISTORY, 1898-1936. (5).

The course deals with the political, constitutional, economic, social, and intellectual problems of the newly industrialized nation and with the history of the foreign relations of the United States as a world power. Lectures, textbooks, readings, reports. *Five hours a week, winter quarter.* Professor Beale.

161. NORTH CAROLINA, 1584-1789. (5).

A survey of the political, social, economic and cultural development of North Carolina from the first settlement until its entrance into the Federal Union in 1789. Lectures, readings, reports. *Five hours a week, fall quarter.* Professor Lefler.

162. NORTH CAROLINA, 1789-1900. (5).

A survey of political, economic, social and cultural development in North Carolina since it entered the Union in 1789. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Newsome.

163. THE SOUTH, 1789-1860. (5).

A course dealing with the Southern States with emphasis upon social, economic, and political organization and movements. Lectures, readings, reports. *Five hours a week, fall quarter.* Professor Green.

164. THE SOUTH, 1877-1925. (5).

The course deals with the political, economic, social, and intellectual development of the South since the close of Reconstruction. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Green.

165. HISTORY OF THE WEST. (5).

A study of the westward movement and of frontier civilization in the area now comprising the United States from the time of exploration and settlement to 1815. Lectures, readings, reports. *Five hours a week, fall quarter.*, (1938 and alternate years). Professor Newsome.

166. HISTORY OF THE WEST. (5).

A study of the westward movement and of frontier civilization in the United States from 1815 to the opening of the twentieth century. Lectures, readings, reports. *Five hours a week, fall quarter.* (1937 and alternate years). Professor Newsome.

167. ECONOMIC HISTORY OF THE UNITED STATES, 1783-1860. (5).

A study of agriculture, transportation, commerce, manufacturing, and similar aspects of American history, 1783-1860. The influence of economic factors upon social and political life will be discussed. Lectures, readings, reports. *Five hours a week, spring quarter.* (1938 and alternate years). Professor Lefler.

168. ECONOMIC HISTORY OF THE UNITED STATES, 1860-1925. (5).

A particular effort will be made to show the effects upon American life of the great economic revolution which has occurred since the Civil War. Lectures, readings, reports. *Five hours a week, spring quarter.* (1937 and alternate years). Professor Lefler.

170. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES. (Education 143). (5).

The social and educational institutions and practices of the United States are traced through: (a) the period of transplanting of European institutions; (b) the period of modifications of institutional life to meet new conditions; and (c) the period of development of a social and an educational system of free common schools, high schools, and higher and technical education. Textbook, lectures, investigations, reports. *Five hours a week, fall or spring quarter.* Professor Knight.

DEPARTMENT OF JOURNALISM

Professor: O. J. COFFIN
Instructor: WALTER SPEARMAN

30. COLLEGE REPORTING. (3 or 5).

A course with a maximum credit of five quarter-hours for reporting done on the student daily under the supervision of the Department of Journalism.

31. COLLEGE EDITING. (3 or 5).

A similar credit course for those who do the editorial work of the student newspaper.

53. NEWS WRITING. (5).

A course in elementary news writing devoted to practical work in the classroom. Prerequisite for Journalism 54. *Five hours a week, fall quarter. Laboratory fee, $2.00.* Professor Coffin; Mr. Spearman.

54. NEWS WRITING. (5). Prerequisite, Journalism 53 or the equivalent.

A continuation of the work in Journalism 53, with the addition of some copy-reading. Prerequisite for Journalism 55. *Five hours a week, winter quarter. Laboratory fee, $2.00.* Professor Coffin; Mr. Spearman.

55. NEWS WRITING. (5). Prerequisite, Journalism 53 and 54.

A continuation of Journalism 54, with more emphasis on assignments. *Five hours a week, spring quarter. Laboratory fee, $2.00.* Professor Coffin; Mr. Spearman.

56ab. FEATURE WRITING. (3 each quarter).

A course for advanced students in the production of feature stories and feature articles, with a view to making them marketable. Either half may be taken independently. *Three hours a week, winter and spring quarters.* Professor Coffin.

57. NEWS METHODS AND TREATMENTS. (3).

A study of contemporary newspapers and of prevailing methods of handling news. Desk work. *Three hours a week, fall quarter. Laboratory fee, $2.00.* Professor Coffin; Mr. Spearman.

58. EDITORIAL WRITING. (3).

Comparative examination of policies and relations. Editorial writing. *Three hours a week, spring quarter.* Professor Coffin.

59. WEEKLY NEWSPAPER EDITING. (3).

A study of the functions of the weekly newspaper, with practical instruction in meeting the problems of the neighborhood news medium. *Three hours a week, winter or spring quarter.* Professor Coffin.

60. BOOK REVIEWING AND DRAMATIC CRITICISM FOR NEWSPAPERS. (3).

A course in book reviewing and covering plays and motion pictures from the newspaper point of view. *Three hours a week, winter quarter.* Mr. Spearman.

*DEPARTMENT OF MATHEMATICS

Professors: ARCHIBALD HENDERSON, J. W. LASLEY, JR., A. W. HOBBS, E. T. BROWNE, E. L. MACKIE.

Associate Professors: A. S. WINSOR, J. B. LINKER, M. A. HILL.

Assistant Professors: V. A. HOYLE, L. L. GARNER.

Instructors: E. A. CAMERON, R. L. GARRETT.

Courses for Undergraduates

1-2-3. INTRODUCTORY MATHEMATICS. (9). Required of Freshmen.

Professors Lasley, Hobbs, Browne, Mackie, Winsor, Linker, Hill, Hoyle, Garner; Messrs. Cameron, Garrett.

21-22-23 (11-12-13). SECOND YEAR MATHEMATICS. (9). Prerequisite, Mathematics 1-2-3 or equivalent. Professor Henderson.

31-32-33 (23-24-25). SECOND YEAR MATHEMATICS: INTENSIVE COURSE. (15). Prerequisite, Mathematics 1-2-3 or equivalent.

A course designed primarily for students in the Division of Natural Science whose major is mathematics and who therefore want a more intensive course in the principles and methods of analytic geometry and the calculus. The concepts of the straight line and the conic sections and certain special plane curves are considered with especial consideration of the problems of loci. The fundamental concepts of both the differential and the integral calculus are developed with application of a somewhat extended nature to situations in geometry, physics, and mechanics. These courses, though consecutive, may be taken separately in the order named for credit. Sophomore elective. *Five hours a week for the year.* Professor Mackie.

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* For A.B. with major in Mathematics, there are required: Math 31-32-33, 131, 141; and one of the following: Math. 101, 111, 141, 151, 161, 171; also Physics 21-22-23 and 4 courses from Physics, Chemistry, Geology, Botany, Zoölogy, Philosophy.

NOTE: If Mathematics 31-32-33 are taken in the Sophomore year, the Department recommends that 6 courses be taken in the Junior and Senior years, namely: 131, 141; and four from 101, 111, 151, 161, 171, or others.

In general six courses will be taken in allied Departments and six in extra-Divisional Departments.

Those students who plan to teach in public schools should read the footnote at the bottom of page 67.

41, 42, 43. DRAWING, SURVEYING, AND MAPPING. (3 each). Courses 42 and 43 may be taken without course 41.

These courses are designed for students of geology and for those who are preparing to teach mathematics in high school. In the case of the latter only courses 42 and 43 are required. *Two lecture and two laboratory or field work hours a week, through the year.* Professor .....

Courses for Graduates and Advanced Undergraduates

101 (123-124). ADVANCED PLANE ANALYTIC GEOMETRY. (3). Prerequisite, Mathematics 31-32-33.

This course is designed to present to the student who has taken Mathematics 31 an enlarged conception of analytic geometry of the plane, with many modern developments of the subject. Among the topics treated are the formation of coördinates, the general equation of the second degree, a general study of loci, parametric representation of curves, polar coördinates, invariant properties of conics, intersections of curves, systems of curves, etc. *Three hours a week, fall quarter.* Professor Henderson.

103. INTRODUCTION TO HIGHER GEOMETRY. (5). Prerequisite, Mathematics 33.

This is a teacher's course for graduate credit, especially devised for teachers who are candidates for the A.M. degree. The course deals with the properties of the triangle and circle from the modern point of view, poles and polars, harmonic division, transformation by reciprocal radii, Brocard points and circles, etc. *Five hours a week, fall quarter.* Professor Winsor.

104. INTRODUCTION TO ADVANCED ALGEBRA. (5). Prerequisite, Mathematics 33.

This course supplements Mathematics 103. It is designed especially for teachers, and serves to bridge the gap between elementary algebra and Mathematics 246. Selected topics in advanced algebra, including such subjects as linear and quadratic forms, limits and series, complex numbers, elementary groups, etc. *Five hours a week, winter quarter.* Professor Winsor.

111. ELEMENTARY MATHEMATICAL STATISTICS. (5). Prerequisite, Mathematics 33 or equivalent.

A course dealing with the elementary theory and applications of mathematical statistics, treating in detail the following topics: graphs, averages, dispersion, skewness, sampling, probable error, frequency curves and correlation. The course is designed to serve as a background for students dealing with statistical and observational data. *Five hours a week, spring quarter.* Professor Hill.

121. THEORETICAL MECHANICS. (5).

An introductory course in mechanics employing the methods of the calculus. *Five hours a week, spring quarter.* Professor Linker.

131. THEORY OF EQUATIONS. (5). Prerequisite, Mathematics 33.

Indispensable for students intending to prosecute studies in the higher branches of pure mathematics. Such subjects as the solution of equations of higher degree, transformations, determinants, elimination, invariants and covariants, and symmetric functions are treated in detail. The student is afforded a survey of the general problem and the basic principles of the formation, handling, and evolution of equations. *Five hours a week, winter quarter.* Professor Hoyle.

141. DIFFERENTIAL EQUATIONS. (5). Prerequisite, Mathematics 32 and 33, or 24E and 25E.

This is a course both for students intending to specialize in mathematics and for students in advanced engineering, civil, electrical, and chemical. Among the subjects treated are singular solutions, applications to mechanics, geometry, and physics, linear equations with both constant and variable coefficients, equations involving more than two variables, partial differential equations, and spatial forms. *Five hours a week, fall quarter.* Professor Linker.

151. PROJECTIVE HOMOGENEOUS COÖRDINATES AND THEIR APPLICATIONS. (5). Prerequisite, Mathematics 33.

A study of the general homogeneous coördinates of forms of one, two, three, and four dimensions; cross ratio and its properties; ideal elements; duality; projective correspondence; transformation of coördinates; the elements of line geometry. *Five hours a week, fall quarter.* Professor Lasley.

152. ANALYTIC PROJECTIVE GEOMETRY. (5). Prerequisite, Mathematics 151.

The projective theory of binary forms; the conic as a rational curve; the conic as a ternary form; the conic from the viewpoint of the theory of correlations; functional determinants and invariants; selected topics from higher geometry. *Five hours a week, winter quarter.* Professor Lasley.

161. ANALYTIC GEOMETRY OF SPACE. (5). Prerequisite, Mathematics 33.

Spatial relations are treated from the analytic standpoint. Deals with quadric surfaces, envelopes, foci, quadriplanar and tetrahedral coördinates, developable surfaces, curves in space, curvature of surfaces, higher surfaces, etc. *Five hours a week, spring quarter.* Professor Henderson.

171. ADVANCED CALCULUS. (5). Prerequisite, Mathematics 33.

This course completes and rounds out the subject as given in Mathematics 33. Stress upon rigor in demonstration. Designed to meet the particular needs of the class, e.g., problem course on study of special functions. Thorough knowledge of calculus is the aim of the course. *Five hours a week, spring quarter.* Professor Mackie.

*DEPARTMENT OF MUSIC

Professor: Glen Haydon.
Associate Professor: B. F. Swalin.
Assistant Professors: E. A. Slocum, J. P. Schinhan.

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* The courses in Music are designed to perform a three-fold function in the University: (a) to give the student electing music as his chief interest a thorough training in the practical, theoretical, and historical aspects of the subject as a part of the general liberal arts curriculum for the A.B. degree; (b) to give the student interested in the scholarly aspects of the subject the basic training necessary for successful graduate work; (c) to afford students in other departments the opportunity to take music as an elective for its cultural value in the liberal arts program.

Course leading to the A.B. degree with Music as the Major. Students who take Music as the major must modify the regular program for the first two years in order to begin Music their first year. They will take Freshman English, a foreign language, two courses in Music (4-5-6 and 14-15-16), and either Mathematics or Latin or Greek, or the regular Freshman course in Social Science, or the regular Freshman course in Natural Science. Courses in the regular Freshman program postponed to make way for the Music must be taken at some later time. Similar arrangements must be made in the sophomore year to provide for Music 24-25-26 and 44-45-46. See page 96 of this catalogue.

The undergraduate major in Music consists of from thirty-six to forty-five quarter hours beyond the Freshman-Sophomore requirements and must include Music 61-62-63, 74-75-76, and 101-102-103 or 124-125-126. Attention is called to the special requirements in applied music. See page 97.

Courses for Undergraduates

4-5-6. NOTATION, SIGHT-SINGING, AND DICTATION. (9). Freshman requirement for those who will have music as a major.

14-15-16. HARMONY. (9). Prerequisite or corequisite, Music 4-5-6. Freshman requirement for those who will have music as a major. By special permission 4-5-6 may be taken concurrently.

24-25-26. THE HISTORY OF MUSIC. (9). Sophomore requirement for those who will have music as a major.

This general course in the history of music is divided into three parts any one of which may be taken separately: (1) the period from antiquity to the end of the sixteenth century; (2) the seventeenth and eighteenth centuries; (3) from the Romantic period to the present day. *Three hours a week, fall, winter, and spring quarters.* Professor Swalin.

44-45-46. ADVANCED HARMONY. (9). Prerequisite, Music 14-15-16. Sophomore requirement for those who will have music as a major.

Three hours a week, fall, winter, and spring quarters. Professor Schinhan.

54. INSTRUMENTAL MUSIC OF THE CLASSICAL PERIOD. (5).

Representative compositions by Purcell, Bach, Handel, Mozart, Haydn, Beethoven, and others will be used as a basis for the study of typical forms and styles of instrumental music from the viewpoint of the listener. The course is illustrated by phonographic recordings and actual performances of works for orchestras, chamber music combinations, and pianoforte. Open to juniors, seniors, and graduates, without prerequisite. Will not be accepted as part of a major. *Five hours a week, fall quarter.* Professor Swalin.

55. INSTRUMENTAL MUSIC OF THE ROMANTIC AND MODERN PERIODS. (5).

Similar to course 54 but dealing with the instrumental compositions of the Romantic and Modern composers. Open to juniors, seniors, and graduates, without prerequisite. Will not be accepted as part of the major. *Five hours a week, winter quarter.* Professor Swalin.

56. TYPICAL FORMS AND STYLES OF VOCAL MUSIC. (5).

Similar to Music 54, this course will be devoted to the study of such vocal music as the madrigal, motet, art song, the opera, and oratorio. Open to juniors, seniors, and graduates, without prerequisite. Will not be accepted as part of the major. *Five hours a week, fall quarter.* Professor Swalin.

61-62-63. MODAL COUNTERPOINT IN THE 16TH. CENTURY STYLE. (9). Prerequisite, Music 14, 15, 16.

Study and practice of the contrapuntal technique of the 16th. century; the writing of simple motets. *Three hours a week, fall, winter, and spring quarters.* Professor Schinhan.

71-72-73. INSTRUMENTATION, ORCHESTRATION, AND ELEMENTARY CONDUCTING. (9).

A course in the study of the principles and practice of instrumentation for orchestra and band, elementary score reading, and conducting. *Three hours a week, fall, winter, and spring quarters.* Professor Slocum.

74-75-76. ANALYSIS AND COMPOSITION IN THE SMALLER FORMS. (9).

Three hours a week, fall, winter, and spring quarters. Professor Slocum.

Applied Music

The following courses in applied music are open to students in any department of the University having the necessary technical equipment. The work in applied music is regarded not merely as technical training in performance, but also as a study of the standard literature for the particular instrument or ensemble group. Credit in general will be given on the basis of one quarter hour credit a year in the first and second years; two quarter hours credit a year in the third and fourth years. For those whose major is not music a total credit not to exceed ten quarter hours may be counted as electives in the A.B. curriculum. Those whose major is music must offer at least ten quarter hours in applied music and may offer a total not to exceed twenty-five quarter hours in this field, of which not more than ten may be in ensemble courses. All students with majors in music, unless given special permission by the Head of the Department, must continue individual instruction in applied music throughout the four years.

The general prerequisite for entrance into the first year courses is ability to perform music of difficulty rated as grade three for the particular instrument. Students who do not have this prerequisite will repeat the preparatory course without credit until they qualify for the freshman course. The candidate for the A.B. degree with a major in music must complete as a minimum the freshman course in his chosen field of applied music. Students electing some other instrument than piano for their work in applied music must demonstrate sufficient pianistic ability to enable them to meet the practical requirements of the course to be pursued. This is interpreted to mean the ability to play at sight hymns or compositions of similar difficulty.

Students seeking the A.B. degree with a major in music will be required to participate in the musical organizations of the department, and those in the advanced applied music course must take part in recitals as prescribed by the department.

Note: The following regulations govern individual instruction in Applied Music Courses A. B. C. D. and E. Fees for individual instruction are: $18.00 a quarter for one lesson a week; $36.00 a quarter for two lessons a week. Practice rooms and periods are assigned at the music department office. Fee for one hour daily practice period (room with piano), $3.00 a quarter; fee for two hours daily practice, $5.00 a quarter. Fee for six hours practice a week on Reuter four manual organ, $15.00 a quarter. All fees for applied music and practice must be paid at the office of thee Department of Music.

Individual Instruction

A. PREPARATORY ORGAN. No credit.

The aim of this course is to give the student the preliminary training on a keyboard instrument required for entrance into the course 1A. *One or two half-hour lessons and six or twelve hours practice a week, every quarter.* Professor Schinhan.

1A-2A-3A. FIRST YEAR ORGAN. (1 or 2). Prerequisite, ability to play music for a keyboard instrument of the difficulty of Heller, Op. 45, 46, 47; Bach Two-Part Inventions; scales and arpeggios in moderate tempo; simple hymns (at sight). Value, 1 or 2 quarter hours respectively for one or two lessons and six or twelve hours of practice a week throughout the year. Professor Schinhan.

21A-22A-23A. SECOND YEAR ORGAN. (1 or 2). Prerequisite, Music 1A-2A-3A. Value, hours, and fee as in 1A-2A-3A. Professor Schinhan.

51A-52A-53A. THIRD YEAR ORGAN. (2 or 4). Prerequisite, Music 21A-22A-23A. Value, 2 or 4 quarter hours, respectively, for one or two lessons and six or twelve hours practice a week throughout the year. Professor Schinhan.

81A-82A-83A. FOURTH YEAR ORGAN. (2 or 4). Prerequisite, Music 41A-42A-43A. Value, hours, and fee as in third year organ. Professor Schinhan.

Similar numbering and description with regard to value, hours, fees, and prerequisite apply to each of the courses B, C, D, and E.

B. PIANO. Professor Schinhan, Mr. Hansen.

C. VOICE. Mr. Miller.

D. VIOLIN. Professor Swalin.

E. FLUTE, or other band or orchestral instrument. Professor Slocum.

Ensemble Groups

1F-2F-3F. FIRST YEAR BAND, (1 for year). Prerequisite, approval of instructor based upon a "try-out" given at the beginning of each quarter. *A minimum of two hours a week throughout the year.* Professor Slocum.

21F-22F-23F. SECOND YEAR BAND. (1 for year).
Hours and value as in preceding course. Professor Slocum.

51F-52F-53F. THIRD YEAR BAND. (2 a year).
A minimum of two hours a week throughout the year. Professor Slocum.

81F-82F-83F. FOURTH YEAR BAND. (2 a year).
Hours and value as in the preceding course. Professor Slocum.

Similar numbering, prerequisites, value, and hours apply to each of the following courses in applied music:

1G. ORCHESTRA. Professor Swalin.

1H. GLEE CLUB. Mr. Miller.

1I. PIANO ENSEMBLE, OR OTHER INSTRUMENTAL ENSEMBLE.
Professors Slocum, Swalin; Mr. Hansen.

Courses for Graduates and Advanced Undergraduates

101-102-103. MUSICOLOGY. (9). Prerequisite, a reading knowledge of one or more of the important foreign languages, a fair knowledge of musical theory, and some skill in practical applied music.

A study of the problems and methods in the various fields, historical and systematic, of musical research. *Three hours a week, fall, winter, and spring quarters.* Professor Haydon.

124. MUSICAL IMPRESSIONISM. (3). Prerequisite, Music 24-25-26 and 44-45-46.

A critical analysis of representative works of composers of the impressionistic movement in music. An effort will be made to correlate the movement in music with analogous developments in the other arts. *Three hours a week, fall quarter.* Professor Swalin.

125. MUSICAL EXPRESSIONISM. (3). Prerequisite, Music 24-25-26 and 44-45-46.

The study of certain twentieth century tendencies in musical composition. *Three hours a week, winter quarter.* Professor Swalin.

126. MODERN FRENCH COMPOSERS. (3). Prerequisite, Music 24-25-26 and 44-45-46.

The French composers Franck, Faure, Chausson, Massenet, D'Indy, and Saint-Saëns. *Three hours a week, spring quarter.* Professor Swalin.

161-162-163. FREE COUNTERPOINT, CANON AND FUGUE. (9). Prerequisite, Music 61-62-63.

A study of contrapuntal procedure with particular reference to the style of Bach. *Three hours a week, fall, winter, and spring quarters.* Professor Slocum.

174-175-176. ANALYSIS AND COMPOSITION IN THE LARGER FORMS. (9). Prerequisite, Music 74-75-76.

Three hours a week, fall, winter, and spring quarters. Professor Haydon.

*DEPARTMENT OF PHILOSOPHY

Professor: **H. H. WILLIAMS. Instructor: L. O. KATTSOFF.
Associate Professor: S. A. EMERY. Lecturer: F. F. BRADSHAW.

Courses for Undergraduates

21-22-23. INTRODUCTION TO THE METHODS OF THOUGHT. (9). Sophomore elective. Mr. Kattsoff.

24-25-26. INTRODUCTORY METAPHYSICS, ETHICS, AND POLITICAL PHILOSOPHY. (9). Sophomore elective. Professor Emery; Dean Bradshaw.

41. INTRODUCTION TO PHILOSOPHY. (5).

This course is intended to serve as an introduction to later work in philosophy; but its main purpose is to give a general view of philosophy to those who may take no further courses in the subject. Lectures and discussions. *Five hours a week, fall quarter.* Professor Emery.

56. THE DEVELOPMENT OF PHILOSOPHY: ANCIENT AND MEDIEVAL. (5).

The growth of philosophic problems from the dawn of Greek philosophy through the Middle Ages. *Five hours a week, fall quarter.* Professor Emery.

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* A student who desires to take a major in Philosophy in the Division of Social Sciences should take either Philosophy 24-25-26 or Philosophy 41 in the General College. The major would then consist of the following courses: Philosophy 56, 57, 131, 132, 171, 172. If the student has not had in the General College the preliminary courses mentioned above, then Philosophy 133 would be added to the major requirement. Six courses are required in other departments within the Division of the Social Sciences and six courses in other Divisions, to be selected by the Adviser and the student in consultation.

Students majoring in Philosophy in the Natural Science Division will take philosophy 56, 57, 134, 135, 141, 142. They will also be required to select six courses in the Division of the Natural Sciences, spreading the courses through the sciences as much as possible, and six courses from outside the Division. It is recommended for such students that they select Philosophy 21-22-23 during their Sophomore year.

** Kenan Professor Emeritus.

57. THE DEVELOPMENT OF PHILOSOPHY: MODERN. (5).

The growth of philosophic problems from the end of the Middle Ages through the nineteenth century. *Five hours a week, winter quarter.* Professor Emery.

62. PLATO AND ARISTOTLE. (5). Prerequisite, Philosophy 56.

A reading course in the principal works of Plato and Aristotle. *Five hours a week, winter quarter.* Professor Emery.

63, 64. CONTEMPORARY PHILOSOPHY. (5 each).

A study of Naturalism, Idealism, Realism, and Pragmatism as contemporary outgrowths of important movements in the history of philosophy. *Five hours a week, winter and spring quarters.* Professor Emery.

66. INTRODUCTION TO THE METHODS OF THOUGHT. (5).

An introductory study of the categories and forms of inference with special reference to applications. The relative importance of form and content in reasoning is analyzed. The purpose of the course is to show the student how to think and to enable him to start thinking. The same ground is covered as in Philosophy 21-22-23. Open to Juniors and Seniors only. *Five hours a week, winter quarter.* Mr. Kattsoff.

76. AESTHETICS. (5).

A study of what is known as art or the beautiful, and an inquiry into some of the critical and psychological questions involved. *Five hours a week fall quarter.* Professor .....

96. THE PHILOSOPHY OF RELIGION. (5).

A study of the historical development of Brahmanism, Buddhism, the religions of Greece and Rome, Judaism, and Christianity. Philosophical problems of religious belief. *Five hours a week, fall or spring quarter.* Professor .....

Courses for Graduates and Advanced Undergraduates

121. KANT. (5). Prerequisite, Philosophy 57.

A study of Kant's Critical Philosophy, as rooted in eighteenth century Empiricism and Rationalism, and as initiating German Idealism. Lectures, readings, and discussion. *Five hours a week, spring quarter.* Professor Emery.

131-132-133. LOGIC AND CIVILIZATION. (15).

The purpose of this course is to show how intelligence works both in the individual and in the currents of thought that constitute civilization. The student will be furnished a kit of tools with which to solve some of the problems which will confront him in living his own life and understanding the world about him. *Five hours a week, fall, winter, and spring quarters.* Mr. Kattsoff.

134, 135. AN INTRODUCTION TO SYMBOLIC METHODS OF THOUGHT. (5 each).

The new symbolic approach to the logic of classes, propositions, propositional functions, modal systems, and the nature of implication. Credit for 134 without 135, but 134 is prerequisite for 135. *Five hours a week, winter and spring quarters.* Mr. Kattsoff.

141. THE LOGIC OF MATHEMATICS. (5).

Analysis of the fundamental concepts of mathematics. Its logical development; recent controversies on its foundations. *Five hours a week, fall quarter.* Mr. Kattsoff.

142. THE LOGIC OF THE PHYSICAL AND BIOLOGICAL SCIENCES. (5).

The logical categories of physics and biology; their role in the development of these sciences. Scientific inference, its general nature and relation to logic. *Five hours a week, spring quarter* Mr. Kattsoff.

171, 172, 173. ETHICS. (5 each).

A survey of ethics, historical and contemporary. The first quarter is concerned with the beginnings of ethical standards in the historical religions of the world and the subsequent development of ethical theory. The second quarter traces the contributions to the theory of values made by the scientific developments of the last two centuries. The third quarter is devoted to contemporary ethical problems, economic, political and personal; and the logical foundation of ethical theory. Lectures, discussion, and directed reading. *Five hours a week, fall, winter, and spring quarters.* Dean Bradshaw.

*DEPARTMENT OF PHYSICS

Professors: A. E. RUARK, O. STUHLMAN, JR., K. H. FUSSLER, E. K. PLYLER.
Assistant Professor: J. H. WHEELER.
Instructor: E. S. BARR.

Courses for Undergraduates

1-2-3. DESCRIPTIVE PHYSICS. (12). Fulfills freshman science requirement.

Two lecture, one discussion, and two laboratory hours a week. Laboratory fee, $2.75 a quarter. Lectures: Professor Ruark. Discussion period: Professor Ruark; Mr. Barr. Laboratory: Professor Fussler; Assistants.

21-22-23. GENERAL PHYSICS. (12). Prerequisite, Freshman Mathematics.

Two lecture, one discussion, and two laboratory hours a week. Laboratory fee, $2.75 a quarter. Lectures: Professor Fussler. Discussion period: Professor Fussler; Messrs. Barr, Jones, and Smith. Laboratory: Professor Fussler; Assistants.

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* For A.B. with Major in Physics (Math. 1-2-3, Chemistry 1-2-3, Physics 21-22-23, Math. 11-12-13 or preferably, 31-32-33, should have been completed in the General College): Physics 41, 52, 53, 54, 55, 56 or the equivalent; six courses in other Natural Sciences including Math 141 and, for students with mathematical tendencies, one other course in Mathematics, or for students with experimental tendencies, at least three courses in Chemistry (from 41, 61, 81, 182); six electives from Departments not in the Division of the Natural Sciences, with English 51 *strongly recommended* and, for students with mathematical tendencies, Philosophy 141-142.

For S.B. in Physics there should have been taken in the General College: two years of mathematics (1-2-3, 31-32-33), two years each of English and German, Social Science 1-2-3, Chemistry 1-2-3 and either Chemistry 31 and Physics 24-25 or Physics 21-22-23); five to eight courses in Physics (from 41, 52, 53, 54, 55, 56, 110, 140, 160), three in Chemistry (from 31, 42, 61, 81, 182), Math. 141 and 171, and four to seven electives of which at least four must be in departments outside the Division of the Natural Sciences; English 51 is strongly recommended.

Those students who plan to teach in public high schools should read the footnote at the bottom of page 67.

24-25. GENERAL PHYSICS. (12).

A five-hour course covering physics in two quarters. Identical with Physics 21-22-23 in subject matter, textbook, total credit, and prerequisite work.

Five lecture and three laboratory hours a week. Laboratory fee, $4.00 a quarter. Lectures: Professor Stuhlman. Laboratory: Professor Fussler; Assistants.

41. ASTRONOMY. (5).

A general course in descriptive and historical astronomy; lectures and recitations, with use of lantern slides, star-maps, telescope, and other instruments. Text: Duncan, *Astronomy. Five hours a week with occasional observations, spring quarter.* Professor Fussler.

51. X-RAY TECHNIQUE: BIOPHYSICS. (6). Prerequisite, Physics 21-22-23 or 24-25.

Laboratory work in roentgenographic technique. Physical aspects of X-ray tubes and high voltage generators. Problems dealing with biophysical technique. Primarily for students who will enter the medical profession. *Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $15.00.* Professor Stuhlman.

52. MECHANICS. (5). Prerequisite, Physics 21-22-23 or 24-25.

Text: Ericson, *Elements of Mechanics. Four lecture and two laboratory hours a week, winter quarter.* (1938 and alternate years). *Laboratory fee, $1.00.* Professor Fussler.

53. OPTICS. (5). Prerequisite Physics 21-22-23 or 24-25.

Geometrical and physical optics. Text: Robertson, *Introduction to Physical Optics. Four lecture and two laboratory hours a week, fall quarter.* (1937 and alternate years). *Laboratory fee, $3.00.* Professor Stuhlman.

54. MODERN DEVELOPMENTS IN PHYSICS. (5). Prerequisite, Physics 21-22-23 or 24-25, except by permission.

Particularly for students majoring in other fields, who wish a knowledge of twentieth-century physics. *Five hours a week, spring quarter.* Under the direction of Professor Wheeler. Lectures by Professors Fussler, Plyler, Ruark, Stuhlman, and Wheeler.

55. ELECTRICITY AND MAGNETISM. (5). Prerequisite, Physics 21-22-23 or 24-25.

A course suited to the needs of students in all sciences. Laboratory work including the use of direct current instruments, alternating current phenomena, and radio experiments. Text: Loeb, *Fundamentals of Electricity and Magnetism. Four lecture and two laboratory hours a week, fall quarter.* (1936 and alternate years). *Laboratory fee, $3.00.* Professor Fussler.

56. HEAT. (5). Prerequisite, Physics 21-22-23 or 24-25.

Temperature measurements, calorimetry, radiation, heat conduction, elements of kinetic theory of gases and of thermodynamics. Text: Barton, *Heat. Four lecture and two laboratory hours a week, winter quarter.* (1937 and alternate years). *Laboratory fee, $3.00.* Professor Plyler.

57. BIOPHYSICS. (5). Prerequisite, Physics 21-22-23 or 24-25.

Especially for students who expect to enter the medical profession. Physics of the human sense organs; illumination, radiant energy, colorimetry, the

optical system of the microscope; medical application of electricity; molecular physics in relation to biology. *Two lecture, one discussion, and four laboratory hours a week, fall quarter. Laboratory fee, $3.00.* Professor Stuhlman.

91, 92. RESEARCH FOR SENIORS. (5 each).

Laboratory fee, $5.00. Professors Fussler, Plyler, Ruark, Stuhlman.

Courses for Graduates and Advanced Undergraduates

101. INTRODUCTION TO MATHEMATICAL PHYSICS. (5). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.

Mathematical treatment of dynamics, statistical mechanics, thermodynamics, and electricity. Text: Page, *Introduction to Theoretical Physics. Five hours a week, fall quarter.* (1937 and alternate years). Professor Plyler.

110. PHYSICAL MECHANICS. (5). Prerequisite, Calculus and one of the following: Physics 52, 53, 54, 56.

Lectures, problems. Text: Lindsay, *Physical Mechanics.* Required of all candidates for advanced degrees in physics. *Five hours a week, fall quarter.* Professor Stuhlman or Professor Plyler.

120. HEAT AND INTRODUCTORY THERMODYNAMICS. (5). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.

More advanced and detailed than Physics 56, with emphasis on theory rather than experiment. Conduction of heat, kinetic theory, and thermodynamics. Text: Saha and Srivastava, *Heat. Five hours a week, winter quarter.* (1937 and alternate years). Professor Plyler.

140. ELECTRICITY AND MAGNETISM. (5). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.

Electrostatics, electrodynamics, and magnetic phenomena. Text: Page and Adams, *Principles of Electricity. Five hours a week, winter quarter.* (1938 and alternate years). Professor Plyler.

141 ADVANCED ELECTRICITY AND MAGNETISM. (5). Prerequisite, Physics 140.

Continuation of Physics 140, with laboratory work, including high frequency measurements. Text: Page and Adams, *Principles of Electricity. Four lecture and two laboratory hours a week, spring quarter.* (1938 and alternate years. *Laboratory fee, $3.00.* Professor Plyler.

150. PHYSICAL OPTICS. (5). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.

Diffraction, interference, polarization, resonance, radiation, scattering, emission, and absorption; the electromagnetic theory of light. Text: Wood, *Physical Optics. Five hours a week, spring quarter.* (1937 and alternate years). Professor Wheeler.

153. OPTICS. (5). Prerequisite, Physics 21-22-23 or 24-25.

Identical with Physics 53, except that additional laboratory work and problems are required of graduate students enrolling in 153. *Four lecture and four laboratory hours a week, fall quarter.* (1937 and alternate years.) *Laboratory fee, $3.00.* Professor Stuhlman.

160. ELECTRONICS AND ATOMIC PHYSICS. (5). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.

Ionization phenomena; the electron and other elementary particles, photoelectric effect, thermionics, isotopes, elementary quantum theory, absorption

and emission of radiant energy, Zeeman and Stark effects, X-rays, wave properties of matter, radioactivity. Text: Harnwell and Livingood, *Experimental Atomic Physics. Five hours a week, winter quarter.* Professor Stuhlman.

161. RADIOACTIVITY. (5). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.

Radioactive elements and their radiations; neutrons, positrons, artificial disintegration, artificially radioactive elements; their use as chemical indicators; cosmic rays. Text: Rutherford, Chadwick, and Ellis, *Radioactive Substances and their Radiations. Three lecture and two laboratory hours a week, fall quarter.* (1936 and alternate years). Professor Wheeler.

170. X-RAYS. (5). Prerequisite, Calculus and Physics 53, 55, and 160, except by permission.

Optical properties of X-rays, absorption and scattering, X-ray spectra, energy levels, and transition probabilities; crystal structure determination with X-rays and electron waves; industrial applications. Text: Compton and Allison, *X-Rays in Theory and Experiment. Five hours a week, spring quarter.* (1938 and alternate years). Professor Ruark.

*DEPARTMENT OF POLITICAL SCIENCE

Professors: W. W. PIERSON, H. M. WAGSTAFF, E. J. WOODHOUSE.
Associate Professors: K. C. FRAZER, W. S. JENKINS, C. B. ROBSON.
Acting Assistant Professor: J. W. FESLER.

Courses for Undergraduates

31-32-33. INTRODUCTION TO POLITICAL LIFE—LOCAL, NATIONAL, AND INTERNATIONAL. (9).

A survey of the institution and problems of political life in the local area, the state, the nation, and the international community. The emphasis is on the actual and vital relations between the citizen and government with a view to stimulating an intelligent and thoughtful interest in the politics of the present. Each member of the department lectures in the field of his specialization and there is directed reading and written work on the basis of a syllabus prepared coöperatively. The student will not be required to buy a text-book but will pay a book fee of one dollar ($1.00) a quarter. Sophomore elective. *Three hours a week through the year.* Professors Robson, (chairman), Pierson, Wagstaff, Woodhouse, Frazer, Jenkins, Fesler; Mr. Howerton.

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* The requirements for A.B. with a major in Political Science are as follows: Political Science 31-32-33 or the equivalent in the General College, and in addition six courses distributed according to the following plan. One course from each of the following groups: 1) United States Government (including Political Science 51, 101, 155); 2) foreign governments (including 52, 121, 154); 3) political theory and jurisprudence (including 151, 153, 157, 158); 4) international politics (including 141, 142, 143). Two courses from one of the following groups for specialization: local state government, administration and public law, theory and jurisprudence, international law and relations, and foreign governments. In addition to these courses in the Department, the student undertaking a major will be required to take five to seven courses in other departments of the Division and five to seven courses in departments outside the Division. In case the student has not taken Political Science 31-32-33, Political Science 51-52 will be required; this will be credited in the major programme only as a substitute for 31-32-33.

51. THE GOVERNMENT OF THE UNITED STATES. (5).

An intensive study of the constitutional basis, the historical development, the organization, operation, and problems of the federal government of the United States. Textbooks, lectures, readings, and reports. *Five hours a week, each quarter.* Professors Jenkins, Frazer, Fesler.

52. THE GOVERNMENTS OF EUROPE. (5).

A study of the principal governments of Europe including Great Britain, France, Germany, Italy, and Russia. Special attention is given to comparisons and contrasts among these governments and with government in the United States. Textbooks, lectures, readings, and reports. *Five hours a week, winter or spring quarter.* Professor Robson.

Courses for Graduates and Advanced Undergraduates

101. PUBLIC ADMINISTRATION. (5).

General problems and principles of public administration. Structural problems: the separation of powers, organization of administrative agencies, areal problems of administration. Personnel problems: recruitment, proportion, removal, classification, civil servant unions. Financial problems: budgeting, auditing, purchasing, taxing, borrowing. Administrative law: growth and significance of administrative legislation and adjudication. *Five hours a week, fall quarter.* Professor Fesler.

121. THE GOVERNMENT OF ENGLAND. (5).

The objective of this course is a knowledge of the development and operation of the English government. Local, national, and imperial aspects of England's governmental practice will receive attention. Resemblances and contrasts between her government and that of our own country will be pointed out for the practical lessons which the parallel supplies. Lectures and readings. *Five hours a week, fall quarter.* Professor Wagstaff.

122. GOVERNMENT AND ADMINISTRATION OF EUROPEAN CITIES. (5).

A general consideration of principles and methods of social control in the municipalities of Great Britain, France, and Germany, with some attention to those of other nations. Comparisons with American conditions. *Five hours a week, spring quarter.* Professor Woodhouse.

131. AMERICAN STATE GOVERNMENT. (5).

A study in the principles, organization, and administrative methods of state government. In connection with the course will be a special study of the government of North Carolina. Lectures, readings, and reports. *Five hours a week, fall or spring quarter.* Professor Jenkins.

132. AMERICAN MUNICIPAL GOVERNMENT. (5).

An historical survey of the development of governmental structure, theory, and functions in American municipalities, and careful analysis of existing municipal conditions, with special attention to city and town government in North Carolina. Each student will make an intensive study of his own or some other city or town. *Five hours a week, fall quarter.* Professor Woodhouse.

133. AMERICAN MUNICIPAL ADMINISTRATION. (5).

Special study of the principles and problems of administration in American municipal corporations of such functions as police, public education, charities and correction, local improvements, public health, finances, with

emphasis on city and town administration in North Carolina. Each student will select and study exhaustively a municipal problem in one municipality. *Five hours a week, fall quarter.* Professor Woodhouse.

134. COUNTY GOVERNMENT AND ADMINISTRATION. (Same as Rural Economics 134). (5).

A study of the forms of organization, the functions, and the operation of county government in the United States and especially in North Carolina in their historical development, but with special emphasis on present conditions and tendencies and on possible improvements. Each student will be required to study, as extensively and intensively as possible, the government and administration of one county, preferably his home county, and to put his results into essay form. Textbooks, lectures, and readings. *Five hours a week, winter quarter.* Professor Woodhouse.

141. INTRODUCTION TO INTERNATIONAL LAW. (5).

A general survey of the history, the sources, and the content of international law. *Five hours a week, fall quarter.* Professor Frazer.

142. INTERNATIONAL ORGANIZATION AND INSTITUTIONS.(5)

A study of all important international governmental institutions. The administrative unions, the League of Nations, and the international courts are examined and discussed. Lectures, readings, and reports. *Five hours a week, winter quarter.* Professor Frazer.

144. THE ORGANIZATION AND CONDUCT OF THE FOREIGN RELATIONS OF THE UNITED STATES.

The machinery of foreign relations, organs for conduct, and the foreign service are analyzed and discussed. Foreign policies are discussed from the standpoint of their formation and content. *Five hours a week, spring quarter.* Professor Frazer.

151. THE ELEMENTS OF POLITICAL SCIENCE. (5).

A general course in which a study is made of the principles of political science and of the important theories respecting the nature, origin, forms, and ends of the state and of government. An examination of the literature of the subject will be made, supplemented by students' reports on selected political theorists. Lectures, textbooks, and readings. *Five hours a week, fall quarter.* Professor Pierson.

153. POLITICAL THOUGHT OF THE EIGHTEENTH CENTURY. (5).

An analysis of the development of liberal and democratic political thought, with emphasis on the ideas of the American and French Revolutions. Lectures and reports. *Five hours a week, winter quarter.* Professor Robson.

154. DEVELOPMENT OF THE ENGLISH CONSTITUTION. (5).

A general course surveying the origin and development of the constitutional machinery of the British monarchy. Emphasis will be laid on the successive constitutional landmarks from the Norman Conquest to the Parliament Act of 1911. Lectures, textbooks, and readings. *Five hours a week, winter quarter.* Professor Wagstaff.

155. THE CONSTITUTION OF THE UNITED STATES. (5).

An elementary course in constitutional law covering by means of lectures, textbooks, and cases the fundamental principles of constitutional interpretation and practice in the United States. *Five hours a week, winter quarter.* Professor Jenkins.

156. CONTEMPORARY PROBLEMS IN GOVERNMENT. (5).
A study of the present organizations and actual operations of our national and state governments through the day to day acts of their departments as reported in the United States Daily, other newspapers, periodicals, and available official reports. Lectures, readings, and reports. *Five hours a week, winter quarter.* Professor Woodhouse.

157. HISTORICAL JURISPRUDENCE. (5).
Ancient and medieval law; brief study of Egyptian, Babylonian, Greek, and Hebrew law, chiefly in their methods and agencies of formulation and administration; detailed study of the historical evolution of Roman law, of its fate during the Middle Ages, and of its spread and influence in the Modern World; some consideration of the parts played in medieval Europe by the Germanic, Slavonian, and Celtic legal systems. *Five hours a week, winter quarter.* Professor Woodhouse.

158. HISTORICAL JURISPRUDENCE. (5).
Anglo-American law; historical study of the development of English law, legislation, courts, and court procedure from the Anglo-Saxon Conquest of England to the settlements in North America by the English; and of the evolution of the legal system in these English colonies and in the United States to the present day. *Five hours a week, spring quarter.* Professor Woodhouse.

159. THE BRITISH EMPIRE. (5).
A study of the structure of the British Empire, its evolution into a British commonwealth of Nations, and an examination of the bonds which hold it together. *Five hours a week, spring quarter.* Professor Wagstaff.

175. POLITICAL PARTIES AND PUBLIC OPINION. (5).
History, organization, and policies of major and minor parties, nominating systems; ballot and election laws; party finance; political machines; influence of party upon executive and legislative branches of government. Special emphasis upon the relation of party to administration and to current American politics. Lectures, readings, and reports. *Five hours a week, fall quarter.* Professor Woodhouse.

181. GOVERNMENTAL REORGANIZATION IN THE UNITED STATES SINCE 1929. (5).
The governmental problems faced by the New Deal, and the solutions attempted through the NRA, AAA, RFC, TVA, and similar agencies. Particular attention will be devoted to administrative aspects of the New Deal: conflicts of policy among the new agencies, growth of governmental corporations, recruiting of personnel, budgetery problems, and the increased delegation of legislative power to administrative agencies. *Five hours a week, spring quarter.* Professor Fesler.

*DEPARTMENT OF PSYCHOLOGY

Professors: J. F. DASHIELL, H. W. CRANE, ENGLISH BAGBY.
Instructors: S. W. WELCH, JR., D. D. WICKENS, D. K. SPELT.

* For A.B. with a major in Psychology as a Natural Science two programs are offered. In each the student is required to take six courses chosen from the allied fields of mathematics, physics, zoölogy, and the School of Medicine. Required courses in the Major Department are in the first program (for students with more general interests): 190 and 150 or 152 or 153, with any four undergraduate courses exclusive of 21-22-23; in the second group (for students with applied interests): 146, 147, and 151 or 152 or 153, with three additional courses selected from 126, 135, 136, 138, 140, and 145.

For A.B. with major in Psychology as a Social Science: six courses within the Department of Psychology, including 190 and either 151, 152, or 153; 6 courses in other social sciences, preferably economics, education, philosophy, and sociology; 6 elective from outside the Division of the Social Sciences, preferably in mathematics, physics, and zoölogy.

Courses for Undergraduates

21-22-23. GENERAL PSYCHOLOGY. (12).

Psychology is presented as an experimental and clinical natural science. *Three lecture and demonstration hours and two laboratory hours a week, throughout the year. Laboratory fee, $2.00 a quarter.* Professor Bagby; Messrs. Wickens, Welch, Spelt; Assistant.

Courses for Graduates and Advanced Undergraduates

NOTE: General Psychology is prerequisite for all other courses in this Department.

125. ANIMAL BEHAVIOR. (5).

A systematic survey of behavior in the various phyla, followed by a critical survey of experimental problems concerning vertebrates including man. The course is of general psychological character, emphasizing central concepts of psychology. Typical experiments. *Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, $2.00.* (1938 and alternate years). Professor Dashiell; Mr. Spelt.

126. CHILD DEVELOPMENT. (5).

A survey of experimental and clinical contributions to the contemporary field of child development, including foetal, neonate, preschool, school, and adolescent ages. Experimental observations. *Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, $1.50.* Professor Dashiell; Mr. Wickens.

135. ECONOMIC PSYCHOLOGY: INDUSTRIAL AND VOCATIONAL. (5).

A presentation of the principles of vocational guidance and an examination of the whole range of factors which affect the efficiency of workers. Lectures and readings. *Five hours a week, spring quarter.* Professor Bagby.

136. ECONOMIC PSYCHOLOGY: ADVERTISING. (5).

A presentation of those aspects of psychology which will aid the advertiser both in his detailed problems and in developing a general technique. (1937 and alternate years). *Four lecture and two laboratory hours a week, winter quarter. Laboratory fee $2.00.* Professor Crane.

138. LEGAL PSYCHOLOGY. (5).

Some of the major problems of a psychological nature with which the law is concerned. The method will be that of a natural science approach leading ultimately to implications of practical legal character. Readings, lectures, and experiments. *Five hours a week, spring quarter. Laboratory fee, $2.00.* Professor Dashiel.

140. THE PSYCHOLOGY OF PERSONALITY. (5).

This course is concerned primarily with the factors which determine the form and quality of the human personality. *Five hours a week, fall quarter.* Professor Bagby.

145. ABNORMAL PSYCHOLOGY: FEEBLE-MINDEDNESS. (5).

Presentation of the psycho-neural aspects of feeble-mindedness together with its importance in relation to the problems of education, dependency, and delinquency. Discussion and demonstration of various clinical methods. *Five hours a week, winter quarter.* (1938 and alternate years). *Laboratory fee, $1.00.* Professor Crane.

146. ABNORMAL PSYCHOLOGY: PSYCHONEUROSES AND PSYCHOSES. (5).

Attention is given to abnormalities and to their occurrence in various specific psychoses. *Five hours a week, spring quarter. Laboratory fee, $1.00* Professor Crane.

147. ABNORMAL PSYCHOLOGY: METHODS OF MENTAL EXAMINATION. (5).

A presentation of the various psychological methods used in the clinical study of individuals, including specialized defects as well as the level of intelligence. Lectures, experiments, readings. *Four lecture and two laboratory hours a week, fall quarter. Laboratory fee, $3.00.* Professor Crane; Assistants.

151, 152, 153. EXPERIMENTAL PROBLEMS. (5 each).

To the student who finds himself especially interested in some particular problem of psychology, opportunity is here offered for investigative study. May be elected any quarter. *One lecture and eight laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $3.00 a quarter.* Professors Dashiell, Crane, Bagby.

190. CONTEMPORARY PSYCHOLOGICAL TENDENCIES. (5).

An historical survey, followed by readings in Titchener, James, Watson, Freud, Köhler, and others. Open only to graduate students and to seniors who have a major in Psychology; required of all candidates for higher degrees. *Five hours a week, fall quarter.* Professor Dashiell.

DEPARTMENT OF ROMANCE LANGUAGES

Professors: W. M. Dey, S. E. Leavitt, U. T. Holmes, N. B. Adams, H. R. Huse, J. C. Lyons (Secretary).

Associate Professors: H. H. Staab, R. S. Boggs, S. A. Stoudemire, W. L. Wiley.

Instructors: J. L. Smith, T. E. Wright, R. W. Linker, J. E. Carroll, W. M. McLeod, F. C. Hayes, W. D. Creech, W. R. Weaver, B. R. Thurman, A. G. Engstrom, W. A. McKnight, L. L. Barrett.

*FRENCH

Courses for Undergraduates

1-2-3. ELEMENTARY AND INTERMEDIATE FRENCH. (9).

Professors Lyons, Wiley; Messrs. Smith, Wright, Linker, Carroll, McLeod, Creech, Thurman, Engstrom, Little.

Note: No student is permitted to take French 1 or 2 or 3 and Spanish 1 or 2 or 3 at the same time.

Attention is called to French 14-15-16, designed for upperclassmen who have fulfilled the requirements in another foreign language.

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*An undergraduate major in French consists of the following eight courses: French 51; 52 or 126; 109 or 115 or 132; 145; 161 or 181; 131 or 171 or 172; 191 or 192; one more course approved by the Department.

Those students who plan to teach in public high schools should read the footnote at the bottom of page 67.

11-12-13. INTERMEDIATE FRENCH. (9).

Professors Huse, Staab, Wiley; Messrs. Smith, Wright, Linker, Carroll, McLeod, Creech, Thurman.

14-15-16. SPECIAL COURSE IN ELEMENTARY FRENCH. (9).

Professor Wiley.

21-22-23. ADVANCED FRENCH. (9). Prerequisite, French 1-2-3, 11-12-13, or the equivalent.

Professors Dey, Huse, Lyons, Wiley; Messrs. Smith, Linker, Carroll, McLeod.

51. FRENCH CONVERSATON AND COMPOSITION. (5). Prerequisite, French 23.

The object of this course is to provide students with an opportunity to acquire practice in spoken French. Discussion in French on subjects of general interest. Composition and outside reading. *Five hours a week, fall or spring quarter.* Professor Lyons.

52. FRENCH CIVILIZATION. (5). Prerequisite, French 51.

A rapid survey of the history of France, with emphasis on political and economic developments necessary to an understanding of the present situation. History and discussion of French institutions, with some reference to the history of French art and French music. All lectures, discussions, and reports on collateral reading are in French. *Five hours a week, winter quarter.* Professor Lyons.

55. REVIEW OF GRAMMAR AND SYNTAX. (5). Prerequisite, French 23.

This course is primarily for teachers, and is open to juniors and seniors who intend to teach French. It consists of an intensive review study of the elements and fundamentals of French grammar and syntax. Before registering for this course, students must secure the permission of the instructor. *Five hours a week, winter quarter.* Mr. Smith.

Courses for Graduates and Advanced Undergraduates

109. THE FRENCH NOVEL. (5). Prerequisite, French 23.

A study of the development of the novel in France. Lectures, readings, reports. *Five hours a week, winter quarter.* (1938 and alternate years). Professor Dey.

115. FRENCH LYRIC POETRY. (5). Prerequisite, French 23.

A study of French lyric poetry, beginning with Villon. Lectures, readings, reports. *Five hours a week, spring quarter.* Professor Huse.

126. HISTORY OF THE FRENCH LANGUAGE. (5). Prerequisite, French 23.

A general survey from the origins to the present day, with especial emphasis upon the period, 1500-1900: the influence of the Erudits, Précieuses, Philosophes, and Romanticists; spelling reforms. *Five hours a week, winter quarter.* Professor Holmes.

131. THE FRENCH DRAMA PRIOR TO 1700. (5). Prerequisite, French 23.

A survey of the religious and comic theatres of the Middle Ages; the theatre of the Renaissance and its relation to the classic theatres of Greece and Rome; the neo-classic theatre of the 17th century. *Five hours a week, winter quarter.* Professor Wiley.

132. THE FRENCH DRAMA SINCE 1700. (5). Prerequisite, French 23.

A survey of Modern French Drama with special attention to the theatrical principles and ideas of the different dramatic schools of the last two centuries. *Five hours a week, spring quarter.* Professor Wiley.

145. FRENCH PHONETICS. (5). Prerequisite, French 23.

A detailed study of the French vowel and consonant sounds by the phonetic method. This course is required of candidates with a major in French for the master's degree, and it should be elected by anyone who intends to teach French. *Five hours a week, fall quarter.* Professor Dey.

161. THE SIXTEENTH CENTURY. (5). Prerequisite, French 23.

A general treatment of the chief movements in French literature of the 16th century, with some reference to the Italian Renaissance and its influence on France. Specimen readings from the more important poets and prose writers: Marot, Rabelais, the Pléiade, Montaigne, etc. *Five hours a week, spring quarter.* Professor Lyons.

171. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. (5). Prerequisite, French 23.

A study of the period of Henry IV and Louis XIII. *Five hours a week, fall quarter.* Professor Lyons.

172. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. (5). Prerequisite, French 23.

This course deals with the literature of the reign of Louis XIV. *Five hours a week, winter quarter.* Professor Lyons.

181. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY. (5). Prerequisite, French 23.

Voltaire, Montesquieu, Rousseau, les Encyclopédistes. A study of the literary movement of the century and of the origins of romanticism. *Five hours a week, fall quarter.* Professor Huse.

191. FRENCH ROMANTICISM. (5). Prerequisite, French 23.

French literature from 1800 to 1850, with special stress on the works of the romantic poets, Lamartine, Hugo, Vigny, and Musset. Lectures, readings, reports. *Five hours a week, fall quarter.* Professor Dey.

192. FRENCH LITERATURE SINCE 1850. (5). Prerequisite, French 23.

A study of the later literary movements of the 19th century, with some emphasis on the contemporary period. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Dey.

CELTIC 105. MIDDLE IRISH. (5).

Grammar and reading of texts. Dottin, *Manuel de l'Irlandais Moyen, Táin Bó Cúailnge* (Supplement to *Eriu*). *Five hours a week, winter quarter.* Professor Holmes.

*SPANISH

Courses for Undergraduates

1-2-3. ELEMENTARY AND INTERMEDIATE SPANISH. (9).

Professor Stoudemire; Messrs. Hayes, Weaver, McKnight, J. A. Barrett, L. L. Barrett.

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* An undergraduate major in Spanish consists of the following eight courses: Spanish 109, 110,111, 131, 132, 134 or 135, 145, and one more course approved by the Department.

NOTE: No student is permitted to take French 1 or 2 or 3 and Spanish 1 or 2 or 3 at the same time.

Attention is called to Spanish 14-15-16, designed for upperclassmen who have fulfilled the requirements in another foreign language.

11-12-13. INTERMEDIATE SPANISH. (9).
Professors Leavitt, Adams, Stoudemire; Messrs. Hayes, Weaver, McKnight.

14-15-16. SPECIAL COURSE IN ELEMENTARY SPANISH. (9).
Professor Stoudemire.

21-22-23. ADVANCED SPANISH. (9). Prerequisite, Spanish 1-2-3, 11-12-13, or the equivalent.
Professors Adams, Boggs, Stoudemire.

Courses for Graduates and Advanced Undergraduates

109. EARLY SPANISH PROSE FICTION. (5) Prerequisite, Spanish 23.
A study of the origins and developments of the novel in Spain up to the time of Cervantes. (1936 and alternate years). *Five hours a week, fall quarter.* Professor Adams.

110. THE SPANISH NOVEL—1605-1898. (5). Prerequisite, Spanish 23.
A survey of the novel from Cervantes through the nineteenth century. (1937 and alternate years). *Five hours a week, winter quarter.* Professor Adams.

111. MODERN SPANISH NOVELISTS. (5). Prerequisite, Spanish 23.
A study of the "Generation of '98," with consideration of present day tendencies. (1937 and alternate years). *Five hours a week, spring quarter.* Professor Adams.

115. EARLY LYRIC POETRY. (5). Prerequisite, Spanish 23.
A survey of lyric poetry in the Spanish peninsula from the origins through the Siglo de Oro. (1937 and alternate years). *Five hours a week, fall quarter.* Professor Adams.

116. MODERN LYRIC POETRY. (5). Prerequisite, Spanish 23.
Brief treatment of the poetical schools of Seville and Salamanca in the eighteenth century and study of Spanish lyric poetry through the nineteenth century to the present day. (1936 and alternate years). *Five hours a week, winter quarter.* Professor Adams.

131. LOPE DE VEGA AND HIS CONTEMPORARIES. (5). Prerequisite, Spanish 23.
Reading of representative plays of Lope de Vega, Tirso de Molina, Guillén de Castro, Ruiz de Alarcón, etc. Lectures and reports. (1937 and alternate years. *Five hours a week, fall quarter.* Professor Leavitt.

132. CALDERON AND HIS CONTEMPORARIES. (5). Prerequisite, Spanish 23.
Reading of representative plays of Calderón de la Barca, Moreto, Rojas, etc. Lectures and reports. (1938 and alternate years). *Five hours a week, winter quarter.* Professor Leavitt.

134. SPANISH DRAMA OF THE NINETEENTH CENTURY. (5). Prerequisite, Spanish 23.
Reading of representative plays of this period. Lectures, oral and written reports. (1936 and alternate years). *Five hours a week, fall quarter.* Professor Leavitt.

135. MODERN SPANISH DRAMA. (5). Prerequisite, Spanish 23.

Reading of plays of Dicenta, Benavente, Linares Rivas, the Alvarez Quintero brothers, Marquina, Martínez Sierra, etc. Lectures, oral and written reports. (1937 and alternate years). *Five hours a wek, winter quarter.* Professor Leavitt.

145. SPANISH PHONETICS. (5). Prerequisite, Spanish 23.

A detailed study of the Spanish vowel and consonant sounds by the phonetic method. This course is required of candidates with a major in Spanish for the master's degree, and it should be elected by anyone who intends to teach Spanish. *Five hours a week, spring quarter.* Professor Boggs.

ITALIAN

Courses for Undergraduates

51. ELEMENTARY COURSE. (5). Prerequisite, French 11-12-13 or Spanish 11-12-13.

Grammar, pronunciation, oral and written exercises. Reading of modern Italian texts. *Five hours a week, fall quarter.* Professor Huse.

52. MODERN ITALIAN LITERATURE. (5). Prerequisite, Italian 51.

Continuation of Course 51 with reading from modern Italian poets, dramatists, and novelists. *Five hours a week, winter quarter.* Professor Huse.

Courses for Graduates and Advanced Undergraduates

131. DANTE. (5). Prerequisite, Italian 51 and 52.

The *Vita Nuova* and the *Inferno,* with some references to origins of Italian literature and to the poets of the *dolce stil nuovo. Five hours a week, spring quarter.* (1936 and alternate years). Professor Huse.

132. DANTE. (5). Prerequisite, Italian 131.

The Purgatorio and the *Paradiso. Five hours a week, spring quarter.* (1937 and alternate years). Professor Huse.

156. DANTE IN ENGLISH TRANSLATION. (5).

The *Vita Nuova* and the *Divine Comedy;* the precursors of Dante and the poets of the *dolce stil nuovo.* Special studies of Dante's political and social philosophy, with particular emphasis on Dante as a poet and as a guide. *Five hours a week, fall quarter.* Professor Huse.

161. ITALIAN LITERATURE OF THE RENAISSANCE. (5). Prerequisite, Italian 51 and 52.

Readings from the principal authors, with special emphasis on Ariosto, Machiavelli, Castiglione, and the lyric poets. Collateral reading on the history of Italian culture during the Renaissance. *Five hours a week, winter quarter.* Professor Huse.

*DEPARTMENT OF RURAL SOCIAL ECONOMICS

Professor: S. H. Hobbs, Jr. Associate Professor: P. W. Wager.

Courses for Undergraduates

51-52. RURAL ECONOMICS. (10). Prerequisite or corequisite, Economics 21-22-23 or the equivalent.

* Students interested in making Rural Social Economics their Department of major interest should consult the Department in advance of registration for their first year in the College of Arts and Sciences.

A general course in the principles and problems of rural economy, with special attention given to the economics of agriculture in North Carolina and the South. References: Gray's *Agricultural Economics;* Taylor's *Outlines of Agricultural Economics;* Yoder's *Introduction to Agricultural Economics. Five hours a week, fall and winter quarters.* Professor Hobbs.

53. HISTORY OF AGRICULTURE. (5).

This course traces the development of agriculture from its earliest beginnings to the present: earliest beginnings; Greece and Rome; later agriculture in Europe; American agriculture. References: Gras, *A History of Agriculture;* Schmidt and Ross, *Readings in the Economic History of American Agriculture;* special readings. *Five hours a week, spring quarter.* Professor Hobbs.

61. AGRICULTURAL COÖPERATION. (5).

Lecture and research. History of agricultural coöperation, principles of coöperation, coöperative organization, rural credits, and coöperative marketing. *Five hours a week, winter quarter.* Professor Hobbs.

71. RURAL SOCIOLOGY. (5).

Rural Sociology. Text: Gillette's *Rural Sociology.* Collateral readings: Galpin's *Rural Life;* Butterfield's *Chapters in Rural Progress;* Sorokin and Zimmerman's *Principles of Rural-Urban Sociology. Five hours a week, fall quarter.* Professor Wager.

72. RURAL SOCIOLOGY. (5).

Country Life Problems. Text: Taylor's *Rural Sociology.* Collateral readings: Boyle's *Rural Problems in the United States,* Galpin's *Rural Social Problems,* Butterfield's *The Country Church and the Rural Problem. Five hours a week, winter quarter.* Professor Wager.

73. RURAL SOCIOLOGY. (5).

The rural community. Text: Sims' *Elements of Rural Sociology.* Collateral readings: Hawthorne's *The Sociology of Rural Life,* Hayes' *Rural Community Organization,* Miller's *Town and Country,* Wilson's *Evolution of the Country Community,* Sims' *The Rural Community,* Steiner's *The American Community in Action. Five hours a week, spring quarter.* Professor Wager.

91, 92, 93. LABORATORY COURSES IN RURAL ECONOMICS AND SOCIOLOGY. (5 each). Corequisite, 51-52 or 71, 72, and 73.

Home-state studies, home-county studies, research projects and surveys. Hours arranged to suit the convenience of the student. *Nine hours laboratory and one hour seminar a week, fall, winter, and spring quarters.* Professors Hobbs, Wager.

95, 96, 97. LABORATORY COURSES ON THE HOME COUNTY. (5 each.)

Studies in the economic and social conditions of the home county with a view to the publication of a county survey or a county geography supplement. Arranged especially to meet the needs of county organizations at the University. Hours arranged to suit the convenience of the student. *Nine hours laboratory and one hour seminar a week, fall, winter, and spring quarters.* Professor Wager.

Courses for Graduates and Advanced Undergraduates

101. NORTH CAROLINA: ECONOMIC AND SOCIAL. (5).

This course is designed to familiarize the student with North Carolina: population, agriculture, resources, social life, economic development, industry, wealth, taxation, education, public welfare. *Five hours a week, every quarter.* Professor Hobbs.

110. LAND ECONOMICS. (5). Prerequisite or corequisite, General Economics, or Rural Economics 51-52.

This is an introductory course to the broad field of land economics, with special attention given to farm and forest land resources, utilization, and conservation in the United States. A few subjects covered are: The problem of land economics; characteristics and classification of land; present and future utilization of land; property in land; land tenure; land taxation; social ends of land utilization; policies of land settlement and development; rural resettlement; forest conservation. *Five hours a week, winter quarter.* Professor Hobbs.

134. COUNTY GOVERNMENT AND ADMINISTRATION. (5).

A study of the forms of organization, the functions, and the operation of county government in the United States and especially in North Carolina in their historical development, but with special emphasis on present conditions and tendencies and on possible improvements. Each student will be required to study as intensively as possible the government and administration of one county, preferably his home county, and to put his results into essay form. Textbooks, lectures, and readings. *Five hours a week, winter quarter.* Professor Wager.

*DEPARTMENT OF SOCIOLOGY

Professors: **H. W. ODUM, H. D. MEYER.
Research Professors: E. R. GROVES, T. J. WOOFTER, JR.
Associate Professors: W. B. SANDERS, L. M. BROOKS.
Research Associates in Institute for Research in Social Science: G. B. JOHNSON, KATHARINE JOCHER, R. B. VANCE.

Courses for Undergraduates

21-22-23. COMPREHENSIVE INTRODUCTORY COURSE IN SOCIOLOGY. (9).

Professors Meyer, Vance, Brooks; Teaching Fellow.

(NOTE: Students with one elective course in sociology may take either Sociology 51 or 52. For major in the Department Sociology 41 and 42 are prerequisite if the student has not completed Sociology 21-22-23. For Sociology 62 no prerequisite is required except senior standing or its equivalent.)

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* For A.B. with major in Sociology, Sociology 21-22-23 should have been completed in the General College. Should the student not have had sociology in the General College, then Sociology 51 and 52 are required. Sociology 152 is required in addition to the above courses. For students desiring to enter social work or public administration, Public Administration 160 may be substituted for Sociology 52. Where the student desires to enter the teaching field, two courses in education are required in addition to the regular sociology requirements, these courses to be determined after conference with the head of the department of education. All other courses in the major are elective. The number of courses required for a major in Sociology is six provided Sociology 21-22-23 have been completed, or eight if these preliminary courses have not been completed.

** Absent on leave, winter and spring quarters, 1936.

51. INTRODUCTION TO SOCIOLOGY. (5).

Emphasis on social origins as found in primitive society; the rise of contemporary society; the forces shaping society studied through geographical, biological, psychological, and cultural approaches; social organization and control; the elements of social theory. Sociology 51 may not be counted for credit by a student who has credit for Sociology 21-22-23 or equivalent. *Five hours a week, every quarter.* Professor Brooks.

52. SOCIAL PROBLEMS. (5).

A general course giving primary emphasis to positive features and secondary consideration to the pathological aspects of society. The student is introduced to various social problems and institutions such as race, immigration, the family, and the community, which can be pursued more intensively in other specialized courses in this department. Sociology 52 may not be counted for credit by a student who has credit for Sociology 21-22-23 or equivalent. Five *hours a week, every quarter.* Professor Meyer.

62. MARRIAGGE. (3). Open to seniors.

A discussion of the practical problems of marriage, parenthood, and family adjustment. *Five hours a week, spring quarter.* Professor Groves.

Courses for Graduates and Advanced Undergraduates

151. SOCIAL ANTHROPOLOGY. (5).

A general course in social anthropology, but with some attention to physical anthropology and archaeology. The nature of culture; culture processes; the modern cultural environment; and social change. *Five hours a week, spring quarter.* Professor Johnson.

152. SOCIAL THEORY. (5).

A survey of the range of contemporary social theory with preliminary consideration of its historical backgrounds. A study is made of contributions the theories of human ecology, regionalism, population, social differentiation, the social personality, mobility, human nature and culture, collective behavior, religion, art and the *mores*, the social processes, conflict, and social control. Leading theories are summarized, compared, and criticized. Required in all majors and of all candidates for graduate degrees. *Five hours a week, every quarter.* Professor Vance.

154. CONTEMPORARY SOCIETY. (5).

A study of cultural evolution in terms of physiographic and societal forces. Part I presents the psychology and functioning of early human society and the continuing development of modern society. Part II studies the backgrounds of contemporary American society presented in terms of major forces that contribute to the making of civilization—natural wealth, technological wealth, artificial wealth, human wealth, institutional wealth, wealth of social science, and social technology, regional variations and forces. Analysis of basic factors leading up to the crisis of 1930. Analysis of recent social trends in fundamental aspects of American life. *Five hours a week, fall quarter.* Professor Odum.

155. SOCIAL PROGRESS AND SOCIAL VALUES. (5). Open to juniors and seniors.

This course reviews the theories and philosophy of social progress; studies social trends and social change; attempts to set up objective measuring scales of change; attempts to appraise objectively aspects of material progress and of social progress and social regress. After brief consideration of social

values it attempts to set up certain objectives and goals of social achievement as a framework upon which to measure and project human progress. *Five hours a week, winter quarter.* Professor Odum.

160. INTRODUCTION TO SOCIAL WORK. (5).

Essentially a professional course in social problems with the emphasis laid upon methods of treatment by public and private social agencies. After a brief discussion of the nature, purpose, and scope of social work the course will deal chiefly with the technical application of social work to the pathological problems, such as poverty and destitution, physical and mental deficiency, disease, crime, and delinquency. Methods of education and training for social work will also be taken up in considerable detail. *Five hours a week, fall quarter.* Professor Sanders.

161. THE FAMILY. (5).

The history, purpose, and problems of the family with especial attention to social conditions influencing family life and to efforts for family conservation. *Five hours a week, fall quarter.* Professor Groves.

168. THE COMMUNITY. (5).

1. A descriptive, analytic, and comparative study of urban structure and growth, with primary emphasis upon social planning in connection with such problems and programs as housing, delinquency areas, slum clearance, and recreation. 2. The community and social work; community organization, its origins, development, problems, and prospects. Large use will be made of recent literature in this field. *Five hours a week, winter quarter.* Professor Brooks.

171. EDUCATIONAL SOCIOLOGY. (5).

Education is a process of social control and achievement. The social resources of the school and other educational resources. Social problems of the teacher. *Five hours a week, fall quarter.* Professor Meyer

173. PLAY AND RECREATION. (5).

The theories of play, play activities, attitudes, history of the play movement, play leadership, programs, values, sex and age differences, classification of movements, application to community life. *Five hours a week, winter quarter.* Professor Meyer.

175. EXTRA-CURRICULAR ACTIVITIES. (3).

Clubs, student participation in school government, physical education, publicity in school publications, commencement, many miscellaneous topics—the assembly, festival days, suggestions to leaders, home room activities, programs, dramatics, point systems, contributions from national agencies interested in extra-curricular activities, theoretical and practical studies of institutions promoting successful programs, bibliographical materials. *Three hours a week, spring quarter.* Professor Meyer.

185. THE NEGRO. (5).

A study of the American Negro, wit hparticular reference to the South; the historical and cultural background of the Negro in Africa and in America; development since emancipation; bi-racial system; and problems of race relations. *Five hours a week, fall quarter.* Professor Johnson.

186. POPULATION. (5).

A study of problems of quality and quantity of population including theories of population increase. and problems of race, immigration, and eugenics. *Five hours a week, spring quarter.* Professor Woofter.

192. CRIME. (5).

Nature and causes of crime; evolution of modern methods of criminal procedure; administration of penal and reformatory institutions; programs for the social treatment of the criminal; the problems of juvenile delinquency. The class work will be supplemented by field trips to criminal courts and penal institutions. *Five hours a week, spring quarter.* Professor Brooks.

193. SOCIAL PATHOLOGY. (5).

The content and method of this course provide for careful coördination with courses on crime, juvenile delinquency, and general social problems. Its emphasis therefore is on poverty and relief. Minor but intensive study will be given to such social ills as mental defect and disease, alcoholism, prostitution, and vagrancy. Emphasis is given to methods of treatment by private and public institutions and agencies. Class work is supplemented by field trips to county and state institutions. *Five hours a week, fall quarter.* Professor Meyer.

198. JUVENILE DELINQUENCY. (5).

This course deals with the diagnosis and treatment of juvenile delinquency from the social worker's viewpoint. Under diagnosis will be taken up the methodology of the social scientists in this field, and the evaluation of the different causative factors of juvenile delinquency. Under treatment will be covered the work of the juvenile court, probation, parole, and institutional care. *Five hours a week, fall quarter.* Professor Sanders.

*DEPARTMENT OF ZOÖLOGY

Professors: R. E. COKER, H. V. WILSON.
Associate Professor: C. D. BEERS.
Assistant Professor: D. P. COSTELLO.

Courses for Undergraduates

1-2-3. (BIOLOGY 1-2-3). ELEMENTS OF BIOLOGY. (12). Freshman elective.

Professors Couch, Costello; Mr. Adams; Assistants.

41. FUNDAMENTALS OF ANIMAL BIOLOGY. (6).

Principles of biology; elements of anatomy, physiology, and classification of vertebrate animals. Dissection of frog and dogfish and study of tissues, as necessary for an understanding of the organization and functions of vertebrate animals and especially of man. Sophomore, junior, and senior elective. *Four lecture and four laboratory hours a week, fall or winter quarter. Laboratory fee, $5.00.* Professor Coker; Assistants.

42a. DEVELOPMENT OF ANIMALS. (3). Prerequisite, Zoölogy 41. Optional accompanying course, Zoölogy 42b. Both 42a and 42c may not be taken for credit.

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* For A.B. with major in Zoölogy, there are required six courses in Zoölogy of the level of 41 or higher, or five in Zoölogy with Botany 41. Six courses should be taken in other Departments of the Division of the Natural Sciences including two courses in Chemistry and two courses in Physics, if these have not been taken in the General College. Six courses should be in departments outside the Division of the Natural Sciences. (But see also note on page 53). At least three courses should be taken in one Department other than Zoölogy either within or without the Division.

Those students who plan to teach in public high schools should read the footnote at the bottom of page 67.

Basis facts and theories of individual development, heredity, and evolution. Sophomore, junior, and senior elective. *Three hours a week, spring quarter.* Professor Wilson.

42b. INVERTEBRATE ZOÖLOGY. (3). Prerequisite, Zoölogy 41. Optional accompanying course: Zoölogy 42a or 42c.

Study of invertebrate animals as examples of the varied forms of life and as concrete illustrations of the principles of biology. Field trips are made to observe and collect animals in nature. Sophomore, junior, and senior elective. *One lecture and four laboratory hours a week, spring quarter. Laboratory fee, $5.00.* Professors Coker, Costello; Assistants.

42c. PRINCIPLES OF ANIMAL BIOLOGY. (3). Prerequisite, Zoölogy 41. Required accompanying course, Zoölogy 42b. Both 42a and 42c may not be taken for credit.

Introduction to invertebrate zoölogy and to development, heredity, and evolution. Sophomore, junior, and senior elective. *Three hours a week, spring quarter.* Professors Coker, Costello.

Courses for Graduates and Advanced Undergraduates

103. COMPARATIVE ANATOMY OF VERTEBRATES. (5). Prerequisite, Zoölogy 41 and 42ac or 42bc.

Dissection of types especially amphioxus, petromyzon, fish, fowl, rabbit. Laboratory work with occasional lectures. *Ten laboratory hours a week, fall quarter. Laboratory fee, $7.50.* Professor Beers.

104. COMPARATIVE EMBRYOLOGY OF VERTEBRATES. (5). Prerequisite, Zoölogy 41 and 42ab or 42bc.

Maturation and fertilization phenomena in some invertebrate types; segmentation and formation of germ layers in frog and teleost fish; germ layers and development of characteristic vertebrate organs in chick; essentials of microscopic technique. Laboratory work with occasional lectures. *Ten laboratory hours a week, winter quarter. Laboratory fee, $5.00.* Professor Beers.

105. COMPARATIVE HISTOLOGY OF VERTEBRATES. (5). Prerequisite, Zoölogy 104.

Microscopic preparations of selected tissues and organs are made from the fresh animal and studied with the help of texts and original papers. Laboratory work with assigned readings and seminar reports. *Ten laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Professor Beers.

106-107-108. MORPHOLOGY AND CLASSIFICATION OF THE INVERTEBRATES. (15). Prerequisite, Zoölogy 41 and 42ac or 42bc.

Dissection and microscopic study of types of the chief orders, with some consideration of life histories; systematic diagnosis. Basic course for all advanced work in Zoölogy. Laboratory work with occasional lectures. *Ten laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Professor Wilson.

109. INTRODUCTION TO HYDROBIOLOGY. (5). Prerequisite, Zoölogy 41 and 42ab or 42bc.

A study of animal life in water, with special reference to the relation of animals to each other and to their environments. Field and laboratory work, lectures, reading of special papers, discussions. *Ten laboratory hours a week, fall quarter. Laboratory fee, $5.00.* Professor Coker.

110. PARASITOLOGY (MEDICAL ZOÖLOGY). (5). Prerequisite, Zoölogy 41 and 42ab or 42bc.

A consideration of the structure, classification, and life histories of the protozoa and worms of medical importance and of the arthropods which either cause disease directly or which transmit the bacteria, protozoa, and worms of disease. *Lectures and demonstrations, five hours a week, winter quarter.* Professor Beers.

(Supplement to the Catalogue of the College of Arts and Sciences).

THE UNIVERSITY OF NORTH CAROLINA

*THE DEPARTMENT OF DRAMATIC ART

Professors: F. H. Koch, Paul Green.
Assistant Professor: Samuel Selden.
Instructor: H. E. Davis.
In Extension, Instructor: J. W. Parker.

Admission to the Department of Dramatic Art presupposes the completion of the work of the General College in this institution or of equivalent work done elsewhere.

The courses in the Department of Dramatic Art are designed to give the student a comprehensive knowledge of the literature of the drama and intensive training in all phases of theatre work, from the writing of the play to the completed presentation before an audience.

Intensive study and research in all phases of dramatic art are made effective through introductory and advanced lecture courses, the seminar, and supervised practice work in theatre technique. The library resources of the student of dramatic literature and history of the theatre include a large and constantly increasing collection of critical and technical works, and plays of all periods. Of special interest to students of the American drama is the Archibald Henderson Collection of nearly two thousand volumes and the recently acquired Roland Holt Theatre Collection of books, playbills, scrapbooks, photographs, and press reviews—a chronicle of the New York stage from 1881 to 1931. A Dramatic Museum, established this year, provides for the Holt Collection and other interesting objects.

A quarterly journal, *The Carolina Play-Book,* now in its ninth volume, serves as a record of the growth of native American drama. Four volumes of *Carolina Folk-Plays* written by students in the University courses in playwriting have already been published, and a fifth volume, *American Folk-Plays,* is now in preparation.

Practical training for the student of playwriting, acting, directing, and technical work is provided by the production unit of the Department of Dramatic Art, The Carolina Playmakers. The Playmakers Theatre building and Scene Shop furnish ample opportunity for the student to test theory with practice, in both experimental and public performances.

Requirements for Advanced Degrees

Candidates for the Master of Arts degree in the Department of Dramatic Art must have completed, before admission to candidacy, the undergraduate major in Dramatic Art at the University of North Carolina, or its equivalent. The candidate must take nine "courses," six of which will be considered the

* Requirements for an Undergraduate with a Major in Dramatic Art.
A minimum of eighteen "courses" distributed as follows:
Three or four "courses" in Play Writing: (155, 156, 157) and Theatre Arts: (61, 62, 63, 64, 65, 66).
Three "courses" in Dramatic Literature: Shakespeare (50), Nineteenth Century Drama (149), History of the Theatre (160), Comparative Drama (161), Modern Drama (162).
One "course" in Fundamentals of Stage Speech (67).
Four to eight "courses" in allied departments of the Division of the Humanities to be taken after conference with the Head of the Department.
Four to seven "courses" from other divisions.

major and three the minor. The six "courses" in the major must be taken in the Department of Dramatic Art in accordance with the following plan: three "courses" in play writing (155, 156, 157), or one "course" in play writing, one "course" in Play Direction, Advanced, (201), and one "course" in Staging Methods (202); one "course" in Nineteenth Century Drama (149), or History of the Theatre (160), or Comparative Drama (161), or Modern Drama (162); one Dramatic Seminar (301); and a thesis. The student may satisfy the thesis requirement in either of the following ways: (1) offering an original full-length play, acceptably presented; (2) writing a thesis in the field of drama, theatrical history, or theatre arts.

Courses for Undergraduates

50. SHAKESPEARE. (5).

A study of Shakespeare's plays. About twenty representative comedies, tragedies and histories will be studied. *Five hours a week, fall quarter.* Professor Koch.

61. ACTING. (5).

Training in the techniques of acting. *Five hours class work a week, fall quarter. Fee for materials, $2.00.* Professor Selden; Mr. Davis.

Registration in Dramatic Art 62 and 63 is limited. Before registering for these courses, students must secure the permission of Professor Selden.

62. REHEARSAL AND PERFORMANCE. (5)

The theory and practice of ensemble acting from the point of view of both the actor and the director. *Five hours class work a week, winter quarter. Fee for materials, $2.00.* Professor Selden; Mr. Davis.

63. PLAY DIRECTION. (5). Prerequisite, Dramatic Art 61 or 62.

The theory and practice of play directing. *Two hours lecture and six hours practical work a week, spring quarter. Fee for materials, $2.00.* Professor Selden; Mr. Davis.

64. SCENERY CONSTRUCTION AND PAINTING. (5).

Elementary theory and practice in the construction and painting of scenery for the stage. *Two hours lecture and six hours laboratory a week, fall quarter. Fee for materials, $2.00.* Mr. Davis.

65. STAGE LIGHTING. (5).

Elementary theory and practice in stage lighting, including the choice of equipment and its control in the theatre. *Two hours lecture and six hours laboratory work a week, winter quarter. Fee for materials, $2.00.* Mr. Davis.

66. STAGE DESIGN. (5).

The history of and elementary theory and practice in the designing of scenery for the stage, through the preliminary sketch, the model, and the working drawings. A considerable amount of simple architectural drafting will be required. *Two hours lecture and six hours laboratory work a week, spring quarter. Fee for materials, $2.00.* Professor Selden; Mr. Davis.

67. FUNDAMENTALS OF STAGE SPEECH. (5).

An intensive study of the technique of speech for actors and directors. Training is made specific to individual needs. *Five hours a week, fall quarter.* Professor McKie (of The Department of English).

Courses for Graduates and Advanced Undergraduates

149. NINETEENTH CENTURY DRAMA. (5).

A study of representative English and American plays in the nineteenth century. *Five hours a week, spring quarter.* Professor Koch. (Not offered in 1936-1937).

The following three courses in play writing (155, 156, 157) should be taken consecutively. If it is not practicable to do this, however, the student may, with the consent of the instructor, take any one of the three courses offered. Under exceptional circumstances a student may repeat one or more of the courses for credit. Special permission is necessary for this privilege.

155. PLAY WRITING. (5).

A practical course in play writing and experimental production. In all three of the playwriting courses emphasis is placed on the native tradition and present-day life of the region with which the student is most familiar. The student is expected to direct experimental productions of plays written in the course. The best of these are given public production by The Carolina Playmakers. *Four hours lecture and two hours practical work a week, fall quarter. Fee for experimental production, $2.00.* Professor Koch, assisted by Professor Selden; Professor Green, lecturer and consultant.

156. PLAY WRITING. (5).

The principles of dramatic construction and practice in the writing and production of one-act plays. Experimental and public productions. *Four hours lecture and two hours practical work a week, winter quarter. Fee for experimental production, $2.00.* Professor Koch, assisted by Professor Selden; Professor Green, lecturer and consultant.

157. PLAY WRITING. (5).

Practice in writing one-act and full-length plays with experimental and public productions by The Carolina Playmakers. *Four hours lecture and two hours practical work a week, spring quarter. Fee for experimental production, $2.00* Professor Koch, assisted by Professor Selden; Professor Green, lecturer and consultant.

160. HISTORY OF THE THEATRE. (5).

A course designed to give the student a view of the institution of the theatre in its beginnings and development. The emphasis is on those features of the theatre which are not dealt with in the more literary courses—the changing forms of the theatre building, scenery, lighting, the audience, the actor, the relation of the theatre to social conditions, and the place of the theatre in the history of civilization. *Five hours a week, winter quarter.* Professors Koch, Selden, and others. (Not offered in 1936-1937).

161. COMPARATIVE DRAMA. (5).

A general survey of the drama and the theatre from Aeschylus to Ibsen. The development of dramatic literature is studied through representative plays (in translation) of the leading European dramatists. *Five hours a week, winter quarter.* Professor Koch.

162. MODERN DRAMA. (5).

A study of representative plays of the modern period, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. *Five hours a week, spring quarter.* Professor Koch.

Courses Primarily for Graduates

201. PLAY DIRECTING, ADVANCED. (5). Prerequisite, Dramatic Art 61, 62, 63, or equivalent training in acting or directing.

Theory and practice in the training of actors and the preparation of plays for experimental and public performance. *Five hours a week, winter quarter. Fee for materials, $2.00.* Professor Selden.

202. STAGING METHODS. (5). Prerequisite, Dramatic Art 64, 65, or equivalent training in technical practice.

Individual instruction in the designing and planning of stage scenery and lighting, and in theatre engineering. *Five hours a week, spring quarter. Fee for materials, $2.00.* Professor Selden.

301. DRAMATIC SEMINAR. (5).

Bibliography, methodology, and research in dramatic literature, theatrical history and staging methods. Required of all candidates for the A.M. degree. *Five hours a week, fall quarter.* Professors Koch, Coffman (of the Department of English), Selden.

THE UNIVERSITY OF NORTH CAROLINA

DEPARTMENT OF FINE ARTS

Assistant Professor: Russell T. Smith

(Supplement to the catalogues of the General College and of the College of Arts and Sciences.)

41. THE HISTORY AND APPRECIATION OF ART. (5).

The study of early Christian art and the art of the middle ages. A lecture course with lantern slides. *Five hours a week, fall quarter.* Professor Smith.

42. THE HISTORY AND APPRECIATION OF ART. (5).

The study of the art of the middle ages leading up to the Renaissance and flowering of the Renaissance. A lecture course with lantern slides. *Five hours a week, winter quarter.* Professor Smith.

43. THE HISTORY AND APPRECIATION OF ART. (5).

The study of art from the Renaissance to the present day. A lecture course with lantern slides. *Five hours a week, spring quarter.* Professor Smith.

44, 45, 46. DRAWING AND PAINTING. (3 or 5).

A general studio course which will entail criticism of representation and design in mediums such as watercolor, oil, pencil, pen, woodcarving, etching, and drypoint. When possible, students will work from nature. *Six to ten studio hours a week, fall, winter, and spring quarters.* Professor Smith.

(Supplement to the Catalogues of the General College and of the College of Arts and Sciences)

THE UNIVERSITY OF NORTH CAROLINA

*THE DEPARTMENT OF MUSIC

ANNOUNCEMENTS FOR THE SESSIONS 1936-1937

Chapel Hill, N. C., June 1936

GLEN HAYDON, Ph.D., *Professor of Music.*
A.B., 1918, M.A., 1921 (University of California); Ph.D., 1932 (University of Vienna).

BENJAMIN F. SWALIN, Ph.D., *Associate Professor of Music.*
B.S., 1928 (Teachers College, Columbia University); M.A., 1928 (Columbia University); Ph.D., 1932 (University of Vienna).

JAN PHILIP SCHINHAN, M.A., *Assistant Professor of Music.*
A.B., 1931 (University of California); M. A., 1933 (University of California).

EARL A. SLOCUM, M.M., *Assistant Professor of Music.*
B.M., 1931 (University of Michigan); M.M., 1936 (University of Michigan).

H. GRADY MILLER, B.S., *Instructor in Music.*
B.S., 1935 (Teachers College, Columbia University).

PETER HANSEN, M.M., *Graduate Assistant, Instructor in Piano.*
A.B., 1931 (University of California); M.M., 1935 (Eastman School of Music).

The work in Music is planned to meet the needs of students who choose Music as a major subject and of others who elect Music courses to supplement their programs in other fields. The student electing Music as his chief interest is given a thorough training in the practical, theoretical, and historical aspects of the subject as a part of the liberal arts curriculum for the A.B. degree. Although all students preparing for the major in Music must complete the same basic courses, there is considerable opportunity within the major for further specialization, according to interest and ability, in performance, theory, or composition. A special curriculum is planned for students desiring to prepare for positions as teachers and directors of high school bands and orchestras. Those students who plan to teach in public high schools should read the footnote at the bottom of page 67 of the catalogue issue of the College of Arts and Sciences.

Course Leading to the A.B. Degree With Music as the Major

Students who take Music as the major must modify the regular program for the first two years in order to begin Music in their first year. The following is an outline of the curriculum during the four years. Certain minor

*The undergraduate major in Music consists of from thirty-six to forty-five quarter hours beyond the Freshman-Sophomore requirements and must include Music 61-62-63, 74-75-76, and 101-102-103 or 124-125-126. Attention is called to the special requirements in applied music. See page 5.

deviations in the particular courses may be made, especially in the junior and senior years, to meet the specific needs of the individual student.

BACHELOR OF ARTS with MAJOR IN MUSIC

Freshman Year

Required:	*Credits*	
English 1-2-3	9	Quar. Hrs.
Hygiene	3	
Music 4-5-6	9	
Music 14-15-16	9	
Music A-I (Applied Music one or more subjects)	1-4	
Choose one:		
Mathematics 1-2-3	9	
*Greek 11-12-13		
*Latin 11-12-13		
Choose one:		
*French 11-12-13	9	
*German 11-12-13		
*Greek 11-12-13		
*Latin 11-12-13		
*Spanish 11-12-13		

Sophomore Year

Required:	*Credits*	
English 21-22-23	9	Quar. Hrs.
For. Lang. 21-22-23 (continuing the one chosen in the first year)	9	
Music 24-25-26	9	
Music 44-45-46	9	
Music A-I	1-4	
Choose one:		
Biology 1-2-3	12	
Chemistry 1-2-3		
Physics 1-2-3		
Geology 11-12-13		

Junior Year

Required:		
Music 61-62-63	9	
Music 74-75-76	9	
Music A-I	1-6	
Elective	5-0	
Choose one:		
Social Science 1-2-3	9	
Economics 21-22-23		
History 44-45-46		
Philosophy 21-22-23		
Philosophy 24-25-26		
Sociology 21-22-23		
Education 31, 71, (99)		
Choose one:		
Botany 41 and Zoology 41	12	
Botany 41 and 43		
Chemistry 1-2-3 or 4-5 or 31-41		
Geology 11-12-13		
Physics 21-22-23		
Mathematics 21-22-23		
Psychology 21-22-23		
Zoology 41 and 42		

Senior Year

Required:	
Music A-I	1-8
Choose one:	
Music 101-102-103	9
Music 124-125-126	
Choose one:	
Economics 21-22-23	9
Political Science 31-32-33	
History 44-45-46	
Philosophy 21-22-23	
Philosophy 24-25-26	
Sociology 21-22-23	
Education 31, 71	
Electives	26-19

*Lacking adequate preparation, the student must take courses 1-2-3 in any foreign language.

Requirements for Advanced Degrees

Candidates for advanced degrees should consult the catalogue of the Graduate School for details concerning the requirements.

Courses for Undergraduates

4-5-6. NOTATION, SIGHT-SINGING, AND DICTATION. (9).

A course in the rudiments of musical symbols with practice in reading and writing scales, intervals, melodies, and elementary harmonic materials. No prerequisite work nor previous training is necessary for Music 4, but previous experience will obviously be of great value to the student. *One lecture and four laboratory hours a week, fall, winter, and spring quarters.* Mr. Miller.

14-15-16. HARMONY. (9). Prerequisite or corequsite, Music 4-5-6.

By special permission 4-5-6 may be taken concurrently. *Three hours a week, fall, winter, and spring quarters.* Professor Haydon.

24-25-26. THE HISTORY OF MUSIC. (9). Sophomore requirement for those who will have music as a major.

This general course in the history of music is divided into three parts any one of which may be taken separately: (1) the period from antiquity to the end of the sixteenth century; (2) the seventeenth and eighteenth centuries; (3) from the Romantic period to the present day. *Three hours a week, fall, winter, and spring quarters.* Professor Swalin.

44-45-46. ADVANCED HARMONY. (9). Prerequisite, Music 14-15-16. Sophomore requirement for those who will have music as a major.

Three hours a week, fall, winter, and spring quarters. Professor Schinhan.

54. INSTRUMENTAL MUSIC OF THE CLASSICAL PERIOD. (5).

Representative compositions by Purcell, Bach, Handel, Mozart, Haydn, Beethoven, and others will be used as a basis for the study of typical forms and styles of instrumental music from the viewpoint of the listener. The course is illustrated by phonographic recordings and actual performances of works for orchestras, chamber music combinations, and pianoforte. Open to juniors, seniors, and graduates, without prerequisite. Will not be accepted as part of a major. *Five hours a week, fall quarter.* Professor Swalin.

55. INSTRUMENTAL MUSIC OF THE ROMANTIC AND MODERN PERIODS. (5).

Similar to course 54 but dealing with the instrumental compositions of the Romantic and Modern composers. Open to juniors, seniors, and graduates, without prerequisite. Will not be accepted as part of the major. *Five hours a week, winter quarter.* Professor Swalin.

56. TYPICAL FORMS AND STYLES OF VOCAL MUSIC. (5).

Similar to Music 54, this course will be devoted to the study of such vocal music as the madrigal, motet, art song, the opera, and oratorio. Open to juniors, seniors, and graduates, without prerequisite. Will not be accepted as part of the major. *Five hours a week, fall quarter.* Professor Swalin.

61-62-63. MODAL COUNTERPOINT IN THE 16TH. CENTURY STYLE. (9). Prerequisite, Music 14-15-16.

Study and practice of the contrapuntal technique of the 16th. century; the writing of simple motets. *Three hours a week, fall, winter, and spring quarters.* Professor Schinhan.

71-72-73. INSTRUMENTATION, ORCHESTRATION, AND ELEMENTARY CONDUCTING. (9).

A course in the study of the principles and practice of instrumentation for orchestra and band, elementary score reading, and conducting. *Three hours a week, fall, winter, and spring quarters.* Professor Slocum.

74-75-76. ANALYSIS AND COMPOSITION IN THE SMALLER FORMS. (9).

Three hours a week, fall, winter, and spring quarters. Professor Slocum.

Courses for Graduates and Advanced Undergraduates

101-102-103. MUSICOLOGY. (9). Prerequisite, a reading knowledge of one or more of the important foreign languages, a fair knowledge of musical theory, and some skill in practical applied music.

A study of the problems and methods in the various fields, historical and systematic, of musical research. *Three hours a week, fall, winter, and spring quarters.* Professor Haydon.

124. MUSICAL IMPRESSIONISM. (3). Prerequisite, Music 24-25-26 and 44-45-46.

A critical analysis of representative works of composers of the impressionistic movement in music. An effort will be made to correlate the movement in music with analogous developments in the other arts. *Three hours a week, fall quarter.* Professor Swalin.

125. MUSICAL EXPRESSIONISM. (3). Prerequisite, Music 24-25-26 and 44-45-46.

The study of certain twentieth century tendencies in musical composition. *Three hours a week, winter quarter.* Professor Swalin.

126. MODERN FRENCH COMPOSERS. (3). Prerequisite, Music 24-25-26 and 44-45-46.

The French composers Franck, Fauré, Chausson, Massenet, D'Indy, and Saint-Saëns. *Three hours a week, spring quarter.* Professor Swalin.

161-162-163. FREE COUNTERPOINT, CANON AND FUGUE. (9). Prerequisite, Music 61-62-63.

A study of contrapuntal procedure with particular reference to the style of Bach. *Three hours a week, fall, winter, and spring quarters.* Professor Slocum.

174-175-176. ANALYSIS AND COMPOSITION IN THE LARGER FORMS. (9). Prerequisite, Music 74-75-76.

Three hours a week, fall, winter, and spring quarters. Professor Schinhan.

Courses Primarily for Graduates

201. SPECIAL STUDIES. (To be arranged).

The Department is ready to assist and advise competent graduate students who may propose plans for either research or creative work which meet with its approval. Hours and credit to be arranged. Professor Haydon.

301-302-303. SEMINAR: MUSICOLOGY. (9).

Special topics or fields of study will be selected for each quarter after consultation with the class. *Three hours a week* (to be arranged), *fall, winter, and spring quarters.* Professor Haydon.

APPLIED MUSIC

The following courses in applied music are open to students in any department of the University having the necessary technical equipment. The work in applied music is regarded not merely as technical training in performance, but also as a study of the standard literature for the particular instrument or ensemble group. Credit in general will be given on the basis of one quarter hour credit a year in the first and second years; two quarter hours credit a year in the third and fourth years. For those whose major is not music a total credit not to exceed ten quarter hours may be counted as electives in the A.B. curriculum. Those whose major is music must offer at least ten quarter hours in applied music and may offer a total not to exceed twenty-five quarter hours in this field, of which not more than ten may be in ensemble courses. All students with majors in music, unless given special permission by the Head of the Department, must continue individual instruction in applied music throughout the four years. Students desiring to do their applied music in the general instrumental course will arrange their schedule for the study of the various string and wind instruments in consultation with the Department.

The general prerequisite for entrance into the first year courses is ability to perform music of difficulty rated as grade three for the particular instrument. Students who do not have this prerequisite will repeat the preparatory course without credit until they qualify for the freshman course. The candidate for the A.B. degree with a major in music must complete as a minimum the freshman course in his chosen field of applied music. Students electing some other instrument than piano for their work in applied music must demonstrate sufficient pianistic ability to enable them to meet the practical requirements of the course to be pursued. This is interpreted to mean the ability to play at sight hymns or compositions of similar difficulty.

Students seeking the A.B. degree with a major in Music will be required to participate in the musical organizations of the Department, and those in the advanced applied music course must take part in recitals as prescribed by the Department.

Fees

Fees for individual instruction are: $18.00 a quarter for one lesson a week; $36.00 a quarter for two lessons a week. The fees for class instruction vary from $3.50 to $10.00 a quarter according to the number of lessons a week. Practice rooms and periods are assigned at the Music Department Office. Fee for one hour daily practice period (room with piano), $3.00 a quarter; fee for two hours daily practice, $5.00 a quarter. Other fees in proportion. Fee for six hours practice a week on Reuter four manual organ, $15.00 a quarter. All fees for applied music and practice must be paid at the Music Department Office.

Individual Instruction

A. PREPARATORY ORGAN. No Credit.

The aim of this course is to give the student the preliminary training on a keyboard instrument required for entrance into the course 1A. *One or two half-hour lessons and six or twelve hours practice a week, every quarter.* Professor Schinhan.

1A-2A-3A. FIRST YEAR ORGAN. (1 or 2). Prerequisite, ability to play music for a keyboard instrument of the difficulty of Heller, Op. 45, 46, 47; Bach Two-Part Inventions; scales and arpeggios in moderate tempo; simple hymns (at sight). Value, 1 or 2 quarter hours respectively for one or two lessons and six or twelve hours of practice a week throughout the year. Professor Schinhan.

21A-22A-23A. SECOND YEAR ORGAN. (1 or 2). Prerequisite, Music 1A-2A-3A. Value, hours, and fee as in 1A-2A-3A. Professor Schinhan.

51A-52A-53A. THIRD YEAR ORGAN. (2 or 4). Prerequisite, Music 21A-22A-23A. Value, 2 or 4 quarter hours respectively for one or two lessons and six or twelve hours practice a week throughout the year. Professor Schinhan.

81A-82A-83A. FOURTH YEAR ORGAN. (2 or 4). Prerequisite, Music 41A-42A-43A. Value, hours, and fee as in third year organ. Professor Schinhan.

Similar numbering and description with regard to value, hours, fees, and prerequisite apply to each of the courses B, C, D, and E.

B. PIANO. Professor Schinhan, Mr. Hansen.

C. VOICE. Mr. Miller.

D. VIOLIN. Professor Swalin.

E. FLUTE, or other band or orchestral instrument. Professor Slocum.

Class Instruction*

For students desiring to complete the general piano requirements, for those in the general instrumental course, and for those wishing special training in voice, class instruction will be offered so far as practicable. Applications for admission to any of these classes should be made at the office of the Department of Music as soon after registration as possible. Hours to be arranged.

Ensemble Groups

1F-2F-3F. FIRST YEAR BAND, (1 for year). Prerequisite, approval of instructor based upon a "try-out" given at the beginning of each quarter.
A minimum of two hours a week throughout the year. Professor Slocum.

21F-22F-23F. SECOND YEAR BAND. (1 for year).
Hours and value as in preceding course. Professor Slocum.

51F-52F-53F. THIRD YEAR BAND. (2 a year).
A minimum of two hours a week throughout the year. Professor Slocum.

81F-82F-83F. FOURTH YEAR BAND. (2 a year).
Hours and value as in the preceding course. Professor Slocum.

Similar numbering, prerequisites, value, and hours apply to each of the following courses in applied music:

1G. ORCHESTRA. Professor Swalin.

1H. GLEE CLUB. Mr. Miller.

1I. PIANO ENSEMBLE, OR OTHER INSTRUMENTAL ENSEMBLE.

Professors Slocum, Swalin; Mr. Hansen.

*Although no credit toward the A.B. degree is allowed for this work, the State Department of Education will allow a certain amount of credit in connection with the requirements for the teaching credential in Music.

THE UNIVERSITY OF NORTH CAROLINA

PHYSICAL EDUCATION AND ATHLETICS

The work is under the joint control of the Department of Education and the Athletic Council.

For the Department of Education.....M. R. Trabue
For the Athletic Council.....R. A. Fetzer

DEPARTMENTAL TEACHING STAFF

Oliver K. Cornwell, M.A., *Professor.*
R. B. Lawson, M.D., *Associate Professor.*
W. F. Lange, M.A., *Associate Professor.*
F. H. Siewert, M.A., *Assistant Professor.*
Herman Schnell, A.B., *Instructor.*
M. Z. Ronman, A.B., *Instructor.*

TECHNICAL ASSISTANTS IN SPORTS

R. A. Fetzer and M. D. Ranson in Track and Field Sports.
R. B. Wolf, W. F. Lange, and John Vaught in Football.
W. D. Skidmore and G. E. Shepard in Basketball.
Bunn Hearn in Baseball.
M. Z. Ronman in Boxing.
P. H. Quinlan in Wrestling and Conditioning.
J. F. Kenfield in Tennis.
C. P. Erickson in Golf.
Floyd Siewert and Herman Schnell in Intramural Athletics and games of low organization.

PURPOSE

The purpose of the work in Physical Education and Athletics can be stated as follows: (1) To furnish to each student all the information about himself which we can from a careful physical examination. (2) To teach him the elements of personal hygiene and public health. (3) To give special attention by way of corrective exercises to all students with physical handicaps. (4) To teach outdoor sports and leisure time recreations to all students in line with their capacities and interests. (5) To provide the necessary training for teachers in this field and thus help to meet the need in North Carolina for knowledge about individual and public health and to promote widespread participation in wholesome recreation.

PHYSICAL EDUCATION 51. PRINCIPLES OF PHYSICAL EDUCATION. (5).

A study is made in this course of the bases for physical education in the present organization of society; the relations of physical education to general education practice; standards for judging physical education practice; and the psychological, sociological, and hygienic guides to be used in the selection of materials and methods. *Five hours a week, fall quarter.* Professor Cornwell.

PHYSICAL EDUCATION 51a. Laboratory work of six hours weekly is required in the coaching of track and field events. This course will present the coaching of standard track and field events for men. In addition to techniques and procedures for development of individual performers, attention is given to placement of men in a team for effective results, and other aspects of team play and coöperation. Mr. Fetzer, Mr. Ranson, Assistants.

PHYSICAL EDUCATION 52. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. (5).

This course deals with problems and procedures in physical education, including classification of students, organization of program, class schedules, teaching load, equipment, records, administration of a gymnasium, and other pertinent materials. *Five hours a week, winter quarter.* Professor Cornwell.

PHYSICAL EDUCATION 52a. Laboratory work of six hours weekly is required in the coaching of football. This will deal with the game from the point of view of the coach, presenting fundamental training, plays, signals, offensive and defensive plans, tackling, blocking, interference, punting, drop kicking, and place kicking. Strategy in play, the technique of formations, the value and defects in various shifts, and other essentials of play will be presented. Mr. Wolf, Assistants.

PHYSICAL EDUCATION 53. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION. (5).

This course is designed to acquaint students with various tests and measurements in the fields of health and physical education. Special attention is given to test construction, scoring, and methods of using results. Various tests now in use will be evaluated. *Five hours a week, spring quarter.* Professor Cornwell.

PHYSICAL EDUCATION 53a. Laboratory work of six hours weekly is required in the coaching of basketball. This course will present fundamentals of coaching in terms of shooting, passing, dribbling, footwork, and guarding. In addition, form and technique for individual positions, selecting and placing of men, offensive and defensive formations, and various styles of team play. Mr. Shepard, Mr. Skidmore, Assistants.

PHYSICAL EDUCATION 61. HEALTH EDUCATION. (5).

This course presents personal and general hygiene as a means for the improvement of living. A study of the problems of living as they involve the health of the adult. Problems of the adjustment of the individual to general conditions of rural and urban life. Various aspects of public school health teaching receive consideration. *Five hours a week, fall quarter.* Professor Cornwell.

PHYSICAL EDUCATION 61a. Laboratory work of six hours weekly is required in the coaching of baseball. This course will be devoted to defensive styles of play for different situations in the game, team play, individual play in different positions, the handling of pitchers, signals, batting, fielding, sliding, base-running, and other technical and strategical procedures in play. Mr. Hearn, Assistants.

PHYSICAL EDUCATION 62. HEALTH EDUCATION. (5).

This course includes a general survey of principles of sanitary science and their application to water, milk, and food, the disposal of sewage and garbage, ventilation and school, home and community health problems, including child and adult hygiene. *Five hours a week, winter quarter.* Professor Cornwell.

PHYSICAL EDUCATION 62a. Laboratory work of six hours is required in physical education games of low organization. The object of this course is to develop skill in and familiarity with a wide variety of physical education activities suitable for schools and recreation centers. Mass athletics, marching, tumbling, and stunts, volley ball, hand ball, and many other activities adaptable to groups differing in age and skill will be offered. Mr. Siewert, Mr. Schnell, Assistants.

PHYSICAL EDUCATION 63. HEALTH EDUCATION. (5).

This course presents methods and materials for the teaching of health and the handling of school health problems. How to teach and what to offer in health classes. Discussion of the methods and subject matter used in presenting hygiene to students. Includes a study of the opportunities for integration of health materials with other subjects of the organized curriculum. *Five hours a week, spring quarter.* Professor Cornwell.

PHYSICAL EDUCATION 63a. Laboratory work of six hours weekly is required in the coaching of boxing and wrestling. This course is designed to acquaint students with the various techniques in both offensive and defensive boxing and wrestling. Methods of teaching the various skills to both individuals and groups will be considered. Mr. Ronman, Mr. Quinlan, Assistants.

PHYSICAL EDUCATION 71. ANATOMY. (5).

This course is designed to teach the fundamentals of gross anatomy of the human body by means of lectures and demonstrations, using charts, models and drawings. Students are supplied, through the coöperation of the University Medical School, with sets of typical bones from the human body and are permitted to use the anatomy laboratory for practical demonstrations on the human cadaver. Practical observations are made to illustrate the anatomical or common athletic injuries and methods of their treatment. Supplementary lectures are given by members of the Department of Anatomy of the Medical School. *Five hours a week, fall quarter.* Dr. Hedgpeth.

PHYSICAL EDUCATION 72. PHYSIOLOGY. (5).

Prerequisite, Physical Education 71 or the equivalent of Zoölogy 41 and 42.

A lecture course in elementary physiology, covering the muscular, cardio-respiratory, nervous, gastro-intestinal, and reproductive systems. *Five hours a week, winter quarter.* Dr. Berryhill.

PHYSICAL EDUCATION 73. INDIVIDUAL PHYSICAL EDUCATION. (5).

Theory and practice in making a physical education program meet the needs of handicapped individuals, fundamental principles in the selection and adaptation of activities in corrective procedures, abnormal conditions that come to the attention of the physical educator, methods of examining and determining individual needs, activity program of both formal and informal character to meet the needs in schools and colleges, will be the problems dealt with in this course. *Five hours a week, with a laboratory requirement, spring quarter.* Dr. Lawson.

APRIL 25, 1936 NUMBER 308

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE ONE HUNDRED AND FORTY-SECOND SESSION

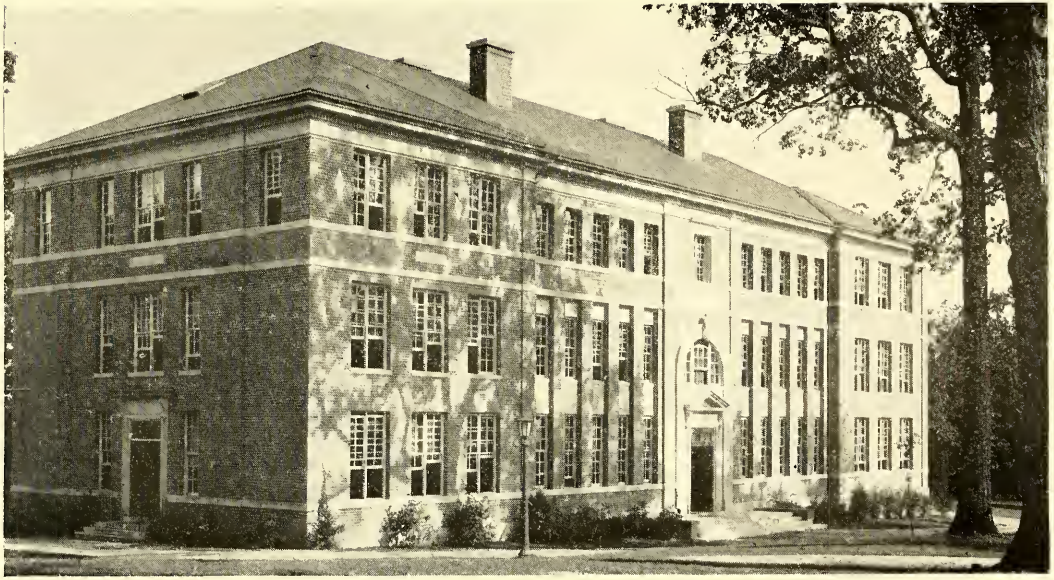
THE SCHOOL OF COMMERCE

CATALOGUE ISSUE
1935-1936

Announcements for the Session
1936-1937

THE UNIVERSITY OF NORTH CAROLINA PRESS
ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER
ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT
CHAPEL HILL, N. C.
UNDER THE ACT OF AUGUST 24, 1912

WE BELIEVE that eliminating waste, releasing new energies, and organizing more effectively in our economic life, will reduce the burden of humanity, raise the standards of well-being, lay the basis for finer and more abounding cultural agencies, and bring the race within reach of enlarged and enriched opportunity. Business then takes its place as one of the great avenues of consecration to the common weal; and statesmanlike leadership and achievement in this field are rich in human benefaction.



Bingham Hall—Home of the School of Commerce

CATALOGUE OF EVENTS

SESSION, 1936-1937

1936

June 7-9	*Sunday through Tuesday.* Commencement Exercises.
June 11-July 22	Summer Session, First Term.
July 23-August 29	Summer Session, Second Term.
September 14-15	*Monday and Tuesday.* Examinations to remove condition grades.
September 17	*Thursday.* Registration (all except Freshmen) for the fall quarter.
September 18	*Friday.* Class work for the fall quarter begins.
October 12	*Monday.* University Day.
November 25	*Wednesday.* Thanksgiving Recess begins (1:00 p.m.).
November 30	*Monday.* Thanksgiving Recess ends (8:30 a.m.).
December 10-19	*Thursday* to 1:00 p.m. *Saturday* of following week. Registration for the winter quarter.
December 15-19	*Tuesday through Saturday* (1:00 p.m.). Examinations for the fall quarter.
Dec. 19 (afternoon)-December 30	Christmas Recess.
December 31	*Thursday.* Registration of new students.

1937

January 1	*Friday.* Class work for the winter quarter begins.
March 5-13	*Friday* to 1.00 p.m. *Saturday* of following week. Registration for the spring quarter.
March 9-13	*Tuesday through Saturday* (1:00 p.m.). Examinations for the winter quarter.
March 15	*Monday.* Registration of new students.
March 16	*Tuesday.* Class work for the spring quarter begins.
April 11-18	*Sunday through Sunday.* Spring Recess.
May 31-June 4	*Monday through Friday.* Examinations for the spring quarter.
June 6-8	*Sunday through Tuesday.* Commencement Exercises.

CALENDAR FOR 1936

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CALENDAR FOR 1937

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OFFICERS OF ADMINISTRATION

THE UNIVERSITY

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President.*
Robert Burton House, A.M., *Dean of Administration.*
Charles Thomas Woollen, *Controller.*
Thomas James Wilson, Jr., Ph.D., *Dean of Admissions and Registrar.*
Julius Algernon Warren, *Treasurer and Bursar.*
Ben Husbands, A.B., *Associate Registrar.*
Robert Bingham Downs, M.S., *Librarian.*
George Kenneth Grant Henry, Ph.D., *Assistant Registrar.*
Walter Reece Berryhill, A.B., M.D., *University Physician.*
Robert Allison Fetzer, B.S., M.A., *Director of Athletics.*
Francis Foster Bradshaw, M.A., *Dean of Students.*

THE SCHOOL OF COMMERCE

Officers

Frank Porter Graham, M.A., LL.D., D.C.L., *D.Litt., President.*
Robert Burton House, A.M., *Dean of Administration.*
Dudley DeWitt Carroll, M.A., *Dean.*
John Brooks Woosley, Ph.D., *Chairman of Graduate Studies and Research.*
Erich Walter Zimmerman, Ph.D., *Chairman of the Library Committee.*
Frances Craven Stephens, A.B., *Secretary.*
Guelda Hillyard Elliott, *Librarian.*
Mary Bunn, *Stenographer.*

*THE ADMINISTRATIVE BOARD

Dudley DeWitt Carroll, M.A., *Professor of Economics.*
Sturgis Elleno Leavitt, Ph.D., *Professor of Spanish.*
Erich Walter Zimmermann, Ph.D., *Kenan Professor of Economics.*
Erle Ewart Peacock, A.B., M.B.A., C.P.A., *Professor of Accounting.*
John Brooks Woosley, Ph.D., *Professor of Economics.*
Corydon Perry Spruill, Jr., A.B., B.Litt. (Oxon.), *Professor of Economics.*
George Howe, Ph.D., *Professor of the Latin Language and Literature.*
Almonte Charles Howell, Ph.D., *Associate Professor of English.*
Richard Junius Mendenhall Hobbs, A.B., LL.B., *Professor of Business Law.*

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* member of each Administrative Board.

THE FACULTY

ANDERSON, CHARLES MEEKS, M.A. ..... ECONOMICS
Instructor in Economics

BAGBY, ENGLISH, PH.D. ..... PSYCHOLOGY
Professor of Psychology

BERNSTEIN, EDWARD MORRIS, PH.D. ..... ECONOMICS
Associate Professor of Economics

BUCHANAN, DANIEL HOUSTON, PH.D. ..... ECONOMICS
Professor of Economics

CARROLL, DUDLEY DE WITT, M.A. ..... ECONOMICS
Professor of Economics

COWDEN, DUDLEY JOHNSTONE, PH.D. ..... ECONOMICS
Acting Associate Professor of Economics

DOUTY, HARRY MORTIMER, M.A. ..... ECONOMICS
Instructor in Economics

EVANS, JAMES GILBERT, M.A. ..... ECONOMICS
Associate Professor of Economics

GRICE, THEODORE NELSON, B.S., C.P.A. ..... ACCOUNTING
Instructor in Commerce

HEATH, MILTON SYDNEY, A.M. ..... ECONOMICS
Associate Professor of Economics

HEER, CLARENCE, PH.D. ..... ECONOMICS
Professor of Economics

HOBBS, RICHARD JUNIUS MENDENHALL, A.B., LL.B. ... BUSINESS LAW
Professor of Business Law

HOWELL, ALMONTE CHARLES, PH.D. ..... ENGLISH
Associate Professor of English

JENKINS, WILLIAM SUMNER, LL.B., PH.D. ..... GOVERNMENT
Assistant Professor of Government

LEAR, JOSEPH MERRITT, M.A. ..... INSURANCE
Associate Professor of Economics

LEAVITT, STURGIS ELLENO, PH.D. ..... COMMERCIAL SPANISH
Professor of Spanish

PEACOCK, EARLE EWART, A.B., M.B.A., C.P.A. ..... ACCOUNTING
Professor of Accounting

SCHWENNING, GUSTAV THEODOR, PH.D. ..... BUSINESS ADMINISTRATION
Professor of Business Administration

SHERRILL, ROBERT HOWARD, M.A., C.P.A. ..... ACCOUNTING
Associate Professor of Accounting

SPRUILL, CORYDON PERRY, JR., A.B., B.LITT. (OXON) ..... ECONOMICS
Professor of Economics

STAAB, HERMAN HENRY, M.A. ..... COMMERCIAL FRENCH
Associate Professor of Romance Languages

TAYLOR, MALCOLM DEAN, A.B., M.B.A. ..... MARKETING
Associate Professor of Marketing

VON BECKERATH, HERBERT, Ph.D. ..... Economics
Professor of Economics

WILDER, FRANCIS SIDNEY, M.A. ..... Economics
Instructor in Economics

WINSLOW, REX SHELTON, A.M. ..... Economics
Instructor in Economics

WOLF, HARRY De MERLE, Ph.D. ..... Economics
Professor of Economics

WOOSLEY, JOHN BROOKS, Ph.D. ..... Economics
Professor of Economics

ZIMMERMANN, ERICH WALTER, Ph.D. ..... Economics
Kenan Professor of Economics

Teaching Fellows

BRAYER, EDWARD FRANK, M.A.

McFERRIN, JOHN BERRY, M.A.

Graduate Assistants

COX, R. CARSON, B.S.

FAIRLEY, FRANCIS HILLIARD, A.B.

FLETCHER, JAMES FLOYD, B.A.

HOLDER, BRANTSON BEESON, M.A.

THOMPSON, JACK, B.S.

Undergraduate Assistants

DAVIS, CHARLES MARSHALL

HAMILTON, FRED RUSSELL

KIRKPATRICK, JAMES WEAVER

INFORMATION PERTAINING TO THE GENERAL UNIVERSITY

The School of Commerce is one of the divisions of the University of North Carolina, located at Chapel Hill. It is governed by the same administration, the same board of trustees, the same laws and regulations as the other parts of the University.

The undergraduate organization of the University consists of the General College which directs the work of students in their first two years and the College of Arts and Sciences, the School of Commerce, and the School of Public Administration which supervise programs of study covering the last two years of the undergraduate curriculum.

STUDENT GOVERNMENT

The student body of the University is self-governing. The functions of this government are both disciplinary and constructive. The functions are exercised by the Student Council which is elected by the student body. Student government, insofar as it is disciplinary, is based upon the honor principle. No code of rules is laid down to direct a student what to do and what not to do. The only standards are those of morality and gentlemanly conduct, and obedience to the laws of North Carolina. The Student Council has power to discipline, suspend, or dismiss a student from the University, but the final and supreme power is in the general university faculty, delegated to it by the Board of Trustees.

RELIGIOUS INFLUENCES

Through the coöperation of all concerned, religious influences of unusually effective character surround the University student. Chapel exercises are held in Memorial Hall at ten-thirty o'clock. The Young Men's Christian Association, to which the University makes annual contributions, is of great value in the life of the campus.

The larger denominations of the State have erected at Chapel Hill modern and adequate church plants. The Chapel Hill churches are manned by an effective and coöperative group of pastors, are all located in close proximity to the campus, and play a very large and genuine part in the life of the University.

WITHDRAWALS

Formal withdrawal, which is prerequisite to honorable dismissal or reëntrance to this institution, to be valid, must be approved by the student's Dean. Such a withdrawal will be approved only after full investigation of the circumstances and after the lapse of twenty-four

hours from the time the first application is filed with the Dean. The withdrawal form after approval by the Dean must be filed promptly with the Recorder in room 8 in the South Building.

If a student withdraws after the mid-term and is reported as below passing in two or more courses, that quarter will be counted as a quarter in residence in all computations of his requirements for readmission. If a student withdraws before mid-term, it will be left to the discretion of the Dean as to whether or not that quarter is to be counted as a quarter in residence. The Dean's verdict will be indicated specifically on the form used for withdrawal.

HEALTH AND RECREATION

The health of the student community is cared for by the maintenance of a properly appointed infirmary with a staff of well trained physicians and nurses. The university gymnasium and five large athletic fields provide ample facilities for exercise and recreation, all under the supervision and direction of a well organized department of physical education.

RULES GOVERNING INTERCOLLEGIATE ATHLETICS

The University is a member of the Southern Conference and its rules necessarily conform to the rules of the Conference. Only a summary of the rules which affect the student is given here.

To be eligible to represent the institution in intercollegiate athletics, including freshman games, the student must have presented fifteen acceptable units for first admission; must be taking regular work as approved by his Dean; must be free from academic and conduct probation; must have been declared eligible by the faculty eligibility committee after convincing the committee that he receives no preferential treatment due to athletic ability by way of scholarship, loan, job, or other financial or material assistance; must not have taken part in any intercollegiate contest at any other college as a freshman or varsity player in the same sport in which he wishes to represent this University. If a student transfers from some other college he is not eligible for intercollegiate athletics on either freshman or varsity teams for twelve months from the date of first matriculation here unless he is a graduate of a Junior College which is a member of its regional accrediting agency. For this region the Southern Association of Colleges and Secondary Schools is the agency. Thus, if a student transfers as a graduate from a Junior College which is a member of its regional accrediting agency, he may participate in varsity athletics his first year here, but his total time of participation is limited to a period of five years from the time of first matriculation in any college including a Junior College. If a student has played upon the team of a Junior College while in the preparatory department of said college he will not be eligible for freshman or varsity

teams during his first year in this University, but will be eligible for varsity athletics after one year. This same rule applies to a student who has been in a Junior College and who transfers before graduation. Freshman teams are composed of freshmen only who have entered directly as regular students from a high school or a preparatory school.

A student will not be allowed to take part in athletics until he has been declared physically fit by the University Physicians nor if his parents or guardians disapprove of such participation.

It may be said that the University lends all possible encouragement to students to take part in athletics, by way of playing fields, equipment, large coaching staff, good Department of Physical Education, a full program of intercollegiate and intramural athletics, courses in hygiene and health, and directed physical training.

For further details in regard to athletics the student should write to Dr. A. W. Hobbs, Chairman, Faculty Committee on Athletics.

LOCATION

Chapel Hill is thirty miles west of Raleigh, the capital of the State, in the beautiful Piedmont section of hills and forests. It is served by the Southern Railway and can be reached from every point by paved roads. Students coming by train are advised to buy tickets to Durham and transfer by regular bus service to Chapel Hill. Its environment of natural beauty and simple culture, of age and traditions, is impressive. The University of North Carolina, the first state university to open its doors in America and a member of the Association of American Universities, is recognized as a leader among educational institutions.

THE SCHOOL OF COMMERCE

GENERAL STATEMENT

Though courses of instruction in economics and in certain business subjects had been offered for many years in the University of North Carolina, not until 1919 was there established a comprehensive, well-organized business curriculum. In that year, the Legislature, in conformity with the recommendations of the President and the Board of Trustees, enacted the legislation which resulted in the immediate organization of the School of Commerce. The School occupies a place in the University organization which is coördinate in standing and equipment with the College of Arts and Sciences.

The undergraduate course of study, leading to the degree of Bachelor of Science in Commerce, covers a period of four years and is designed to give a foundation of broad and general culture, and, at the same time, supply a definite and practical training to those who intend to engage in any of the great lines of industrial and commercial activity. For those desiring more intensive specialization, the School of Commerce offers graduate courses leading to the degree of Master of Science in Commerce.

AIM AND PURPOSE

The phenomenal industrial development of the South in recent years has produced an imperative need for trained business men. The School of Commerce in a large sense is the expression of the University's desire to serve this special need of its own particular section. To this end substantial support has been accorded the School both by the University and the state as a whole. In consequence the School has been provided with a large and able corps of instructors, with spacious quarters in Bingham Hall, and thoroughly modern teaching facilities.

It is the purpose of the School of Commerce to provide its students with as thorough and scientific business training as it is possible to give within the range of the subject which it attempts to cover. Its teaching policy assumes that such training should consist not only of the requisite understanding of the principles and methodology which govern the organization and administration of typical business enterprises, but in addition an understanding of the problems and the larger relationships of the economic organization as a whole. In his attempt to master the technical and the vocational aspects of business, the student will not be permitted to lose sight of the social and cultural.

TEACHING POLICY

Wherever possible, the plan is followed of presenting the subject-matter of the various courses from the point of view of the executive, always bearing in mind that the executive's field of interest includes the broad outside relationships as well as the internal administration of his business. Adherence to this common point of view prevents confusion in the mind of the student, and enables him to place the problems and practices of business in their true perspective.

Within the short space of time at his disposal, it is impossible for the student to investigate in detail the entire field of business. It is therefore the policy of the School of Commerce to supplement the general survey which is required of every student with a more intensive study of that portion of the field which is of especial interest to him. To this end there have been prepared for the student certain groupings of closely related courses. The groupings have been made in such a way as to correspond to certain major functions which must be performed in the successful administration of a business enterprise.

These functions may be designated as follows: (1) production; (2) finance; (3) marketing and selling; (4) management of personnel; (5) risk and insurance; (6) accounting.

In addition to these groups, which have been constructed to conform with the major business functions, certain others have also been provided. The first of these offers special study in the field of foreign trade. It is so devised as to be of value not only to those intending to engage in some branch of export or import trade, but also to be of material aid to those looking forward to careers in connection with the diplomatic and consular service.

SCOPE OF SPECIALIZATION

Specialization in the manner here indicated, however, does not begin until the senior year, except in the accounting, marketing and merchandising groups. The School of Commerce accepts the principle that a broad and thorough training in fundamentals, as well as some maturity of mind, should precede any high degree of specialization. Whether the educational process be viewed as a training of the mental faculties, or as the acquisition of a fund of knowledge, it is equally imperative that the materials of study be definite and compact. Arrangement and treatment must be so designed as to assure results which are cumulative and which have continuity of direction.

To this end the undergraduate curriculum of the School of Commerce is arranged in logical sequence, with the same requirements imposed upon virtually all candidates for degrees until the senior year is reached. During his freshman and sophomore years in the General College the student is required to follow a path of study which closely parallels the liberal arts course. The first year's work includes English composition, mathematics, social science, biological

science, and a modern language. In the second year are courses in general economics, industrial history, English and American Literature, a natural science, and a continuance of the chosen modern language.

In his junior year the student devotes most of his time to required courses in economics, commerce, psychology, and government, which include money and banking, business organization, accounting, economic statistics, general psychology, and American federal government.

In the senior year specialization begins through the election by the student of his preferred group of courses from the list outlined above. It is to be noted that the freedom to elect does not apply to courses regarded singly, but only to courses as they are arranged in more or less standardized groups. Having chosen a given group, the student is expected to satisfy its requirements in full unless a substitute program has been submitted and approved by the Administrative Board of the School.

In all of the groups two courses in business law are required, and one course on the relationship between government and business. A fourth requirement common to all groups is a choice either of the course in Theories of Economic Reform, or of the course in Labor Problems. This leaves in each group from five to six courses which constitute the subject matter of specialization.

IMPORTANCE OF GRADUATE STUDY

From the preceding survey of the undergraduate curriculum it is apparent that those students who are desirous of securing the benefits of thorough specialized training and intensive research work should continue in the University for at least one year of graduate study.

The Administrative Board of the School strongly urges the advisability of such an additional year for the superior student. Equipped with his undergraduate training, unburdened of the formal routine of courses which have been preparatory in nature, the graduate student is free to concentrate his full powers upon the subject of his choice. His attitude changes from one of receptivity and acquiescence to one of active inquiry and initiative. He is charged with the responsibility of finding new materials, new arrays of facts, and subjecting them to his own independent analysis, to the end that new relationships may be discovered or new evaluations made. His initiative, his analytical and creative powers, his quality of persistence, are tested and developed to a degree impossible of attainment in the undergraduate years.

The School of Commerce is prepared to offer graduate instruction and facilities for graduate research activities in the fields indicated by the senior study groups. Courses have been developed exclusively for graduate students. They are designed primarily for the encour-

agement and guidance of research activity, and in consequence are conducted informally and on a basis of close personal contact between professor and student.

GRADUATE DEGREES

The School of Commerce offers the graduate degree of Master of Science in Commerce. Candidacy for this degree is conditioned upon the holding of a degree of S.B. in Commerce from this institution or from another institution of approved standing where the work required in commerce is of substantially the same nature and volume. Graduates of other institutions who hold the A.B. degree are advised to register as candidates for the Master of Arts degree, majoring in Economics. In this way a limited number of commerce courses may be secured for graduate credit; or, if the student desires, by prolonging the period of residence, the undergraduate deficiencies may be removed, leaving the path clear for the degree of Master of Science in Commerce.

The Department of Economics and Commerce offers through the Graduate School the degree of Doctor of Philosophy. It is possible under this arrangement to take a major in either field and a minor in the other.

Graduates of other institutions desiring to enter the School of Commerce as candidates for higher degrees should submit their records together with application for entrance to the dean of the Graduate School.

The conferring of the degree of Master of Science in Commerce assumes as a minimum the completion of nine full courses or their equivalent as approved by the Dean, a residence period of at least one year, and the completion of a thesis which embodies the results of original research work on the part of the student. (For further details see the catalogue of the Graduate School.)

SPECIAL STUDENTS

There are many young people already in business who feel the need of additional special training but who are unable to spend the full four years at the University, or who cannot provide proper entrance credits. Recognizing this, the School of Commerce will admit students of twenty-one years of age or over, who cannot fulfill the entrance requirements, as special students but not as candidates for degrees. Such students must supply satisfactory evidence of their ability to profit from the courses. Such evidence must include testimonials from former employers certifying to the term, nature, and quality of their work. A personal interview with the Dean is also recommended. Special students are admitted on probation.

LIBRARY FACILITIES

In addition to the facilities afforded by the general library of the University, the School of Commerce is equipped with its own special collection of materials. In the latter are contained a large number of the economic and business publications of recent years which may be of value to the student. An annual fund of about $2,500 assures that the collection will be well-maintained and kept up-to-date.

Especially noteworthy is the collection of periodical publications. Most of the important periodicals in the general field of business and finance are regularly received. In addition, the School of Commerce is a regular subscriber to over fifty trade journals, and to the statistical services of Moody, Brookmire, Gibson, the Babson Institute, and the Standard Statistics Company. The Harvard and Cambride Economic Surveys are also provided.

A full-time librarian is in charge and is prepared to aid students in the collection of such materials for research work as may not be currently available in the University. Special library privileges are accorded graduate students who have access to the stack rooms and private desk space.

LECTURES AND OBSERVATION TRIPS

Students are expected to take advantage of the frequent opportunities to hear lectures offered by prominent business men who are invited to the University for this purpose. These lectures will prove of great value to the student in furthering his acquaintance with the practical aspects of business.

From time to time the classes in business subjects make visits to neighboring factories and other types of business institutions for the purpose of making first-hand studies of organization and administrative methods.

BUSINESS CLINICS

In addition to formal lectures, the school from time to time arranges for recognized business leaders to come to the University for informal discussion of current business problems in their respective fields. The virtue of this arrangement is that the informal discussion of problems in a particular field will give the student a clearer understanding of the actual every-day aspects of business.

STENOGRAPHY

No credit toward the degree is given for stenography but every student is urged to acquire facility in the use of it before graduation. Instruction in this subject is not offered by the University but can be secured in Chapel Hill in a private school.

SOCIETIES

Beta Gamma Sigma, recognized by the American Association of Collegiate Schools of Business as the national scholarship fraternity in Commerce and Business, maintains a chapter, Alpha of North Carolina, at the University. Eligible for membership in this organization are those students ranking scholastically in the highest tenth of the Senior Class and the highest two per cent of the Junior Class.

STANDARDS OF WORK

The School was admitted to membership in the American Association of Collegiate Schools of Business in 1923. This is an organization formed for the promotion of thorough-going, scientific training for the business profession. It maintains high standards of membership based on the number and training of the faculty, the thoroughness of the work, the length and breadth of the curriculum, the number of students, the financial backing of the school, and the facilities for carrying on the work.

STUDENT HABITS

Training for business, if it is to be worthy of the name, should include at least two elements: first, an understanding of the principles and processes of business; and second, the practice of habits of work essential to business success. Observation appears to justify the conclusion that promptness, industry, systematic application, and honest performance are quite as vital to mastery in the business world as an understanding of the nature of industrial and commercial phenomena. It is wasteful, then, to allow students to proceed far in this field if they are unwilling to fashion their habits in conformity with these essential requirements. The policy of the School will be to drop from its rolls any student who after a reasonable time fails to respond to the above standards. Attendance on classes and promptness and regularity in performing assigned work is judged in terms of the above principle.

FELLOWSHIPS, ASSISTANTSHIPS, SCHOLARSHIPS, AWARDS, AND LOANS

Two teaching fellowships, each of an annual value of $500 plus free tuition in the Graduate School, are annually awarded in the Department of Economics and Commerce. The recipients may be called on to do teaching or other duties in the Department not exceeding one-third of their time. Applications should be made prior to March 1.

A number of graduate and undergraduate assistantships, with stipends ranging up to $450 plus free tuition in the Graduate School, are awarded each year. The duties consist of grading papers, conducting laboratories, chart construction, etc.

The Mary K. Brown Memorial Scholarship. This scholarship was established in 1931 by Mrs. James M. Brown in memory of her daughter who served with unusual devotion as secretary of the School of Commerce of the University for several years. This scholarship is awarded to a worthy student who is dependent upon his own efforts to secure an education.

The Joseph Lewis Graham Memorial Award. (Established in 1934). This award is made annually by Mr. John S. Graham of Winston-Salem in memory of his father, Mr. Joseph Lewis Graham, a business and civic leader in his community. The recipient of the award of $400 must be a rising senior in the School of Commerce who in the judgment of the staff of the school gives best promise of successful business leadership.

There are about one hundred undergraduate tuition scholarships in the University which are open to students of the School of Commerce along with students in the other divisions of the University. Applications for scholarships should be made to Mr. R. B. House, Dean of Administration, not later than May 1.

The general student loan funds of the University amounting to approximately $324,000 are available to the students of the School of Commerce along with students in other divisions of the University. Information concerning loans may be obtained from Mr. J. A. Williams who is in charge of student loans.

ADMISSION

Admission to the School of Commerce is based upon the satisfactory completion of the first two years of college work given in the General College of this University or its equivalent certified by another institution of recognized academic standing. Based on fifteen entrance units which conform to the admission requirements of the General College, the subjects covered in the first two years are as follows:

Freshman Year

English 1-2-3
Mathematics 1c-2c-3c
Social Science 1-2-3
Biological Science 1-2-3c
*French 11-12-13, or
Spanish 11-12-13, or
German 11-12-13
Physical Education

Sophomore Year

English 21-22-23
Economics 21-22-23
Economics 11
Economics 35
French 21, 24-25, or
Spanish 21, 24-25, or
German 21-22-23
Zoölogy 41, 42, or
Botany 41, 43, or
Chemistry 1-2-3, or
Physics 21-22-23, or
Geology 41-42

* The student who is not qualified to pursue the intermediate courses may take courses numbered 1-2-3, which cover both the elementary and intermediate work and prepare one to pursue the advanced courses.

Satisfactory completion of the first two years of college work is interpreted to mean that at least half the credits are of C grade or better (C on a percentage basis covers the range from 80% to 90% with 70 as a minimum passing grade).

CURRICULA LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN COMMERCE

The degree of Bachelor of Science in Commerce will be conferred upon students who complete any one of the following curricula and in addition pass a comprehensive examination in the field of economics and commerce. An additional requirement for graduation is that the grades in at least half the work of a student shall be C or higher.

In order that the junior and senior subjects may be chosen in such a way as to constitute a coherent and comprehensive whole, rather than an unrelated and scattered series, the following programs have been devised. Each student is expected to elect at the beginning of his junior year the group which best serves his needs and to adhere to it. However, students whose interests do not coincide with any of the following groups are invited to submit an alternative program for the approval of the Administrative Board of the School.

I. FACTORY ORGANIZATION AND ADMINISTRATION

Junior Year

Commerce 51	Business Organization
Commerce 71-72	Accounting Principles
Economics 81-82	Principles of Money and Banking
Economics 170	Economic Statistics
Political Science 51	Government of the United States
Psychology 21-22-23	General Psychology

Senior Year

Commerce 91-92	Business Law
Commerce 151	Principles of Industrial Management
Commerce 155	Personnel Management
Commerce 173	Cost Accounting
Commerce 191	Corporation Finance
Economics 131	Economic Theory
Economics 191 or	An Introduction to the Labor Problem
Economics 195	Theories of Economic Reform
Economics 197	Government and Business

Select one course from the following:

*English elective, *Philosophy elective, *Political Science elective.

Economics 141	Public Finance
Rural Economics 134	County Government and Administration

* The elective must be approved by the Dean.

II. BANKING AND FINANCE

Junior Year

Commerce 51 ..... Business Organization
Commerce 71-72 ..... Accounting Principles
Economics 81-82 ..... Money and Banking
Economics 170 ..... Economic Statistics
Political Science 51 ..... Government of the United States
Psychology 21-22-23 ..... General Psychology

Senior Year

Commerce 91-92 ..... Business Law
Commerce 181 ..... Advanced Banking and Foreign Exchange
Commerce 191 ..... Corporation Finance
Commerce 195 ..... Investments
Economics 131 ..... Economic Theory
Economics 185 ..... Business Cycles
Economics 191 ..... An Introduction to the Labor Problem
or
Economics 195 ..... Theories of Economic Reform
Economics 197 ..... Government and Business

Select one course from the following:

*English elective, *Philosophy elective, *Political Science elective.

Economics 141 ..... Public Finance
Rural Economics 134 ..... County Government and Administration

III. MARKETING, MERCHANDISING, ADVERTISING

Junior Year

Commerce 51 ..... Business Organization
Commerce 71-72 ..... Accounting Principles
Economics 81-82 ..... Money and Banking
Economics 124 ..... Principles of Marketing
Economics 170 ..... Economic Statistics
Psychology 21-22-23 ..... General Psychology

Senior Year

Select three from the following:

Commerce 61 ..... Sales Management
Commerce 161 ..... Advertising
Commerce 163 ..... Advanced Course in Marketing
Commerce 165 ..... Retail Distribution
Commerce 91-92 ..... Business Law
Economics 131 ..... Economic Theory
Economics 191 ..... An Introduction to the Labor Problem
or
Economics 195 ..... Theories of Economic Reform
Economics 197 ..... Government and Business
Political Science 51 ..... Government of the United States

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* This elective must be approved by the Dean.

Select one course from the following:

*English elective, *Philosophy elective, *Political Science elective.

Economics 141	Public Finance
Rural Economics 134	County Government and Administration

IV. PERSONNEL MANAGEMENT

Junior Year

Commerce 51	Business Organization
Commerce 71-72	Accounting Principles
Economics 81-82	Money and Banking
Economics 170	Economic Statistics
Political Science 51	Government of the United States
Psychology 21-22-23	General Psychology

Senior Year

Commerce 91-92	Business Law
Commerce 151	Principles of Industrial Management
Commerce 155	Personnel Management
Economics 131	Economic Theory
Economics 191	An Introduction to the Labor Problem
Economics 195	Theories of Economic Reform
Economics 197	Government and Business
Psychology 135	Economic Psychology: Industrial and Vocational
or	
Sociology 41	Introduction to Sociology

Select one course from the following:

*English elective, *Philosophy elective, *Political Science elective.

Economics 141	Public Finance
Rural Economics 134	County Government and Administration

V. RISK-BEARING AND INSURANCE

Junior Year

Commerce 51	Business Organization
Commerce 71-72	Accounting Principles
Economics 81-82	Money and Banking
Economics 170	Economic Statistics
Political Science 51	Government of the United States
Psychology 21-22-23	General Psychology

Senior Year

Commerce 91-92	Business Law
Commerce 61	Sales Management
or	
Commerce 191	Corporation Finance
Commerce 121	Insurance: Life
Commerce 122	Insurance: Fire, Marine, Bond, and Title

* This elective must be approved by the Dean.

Economics 121 ..... Risk and Risk-Bearing
Economics 131 ..... Economic Theory
Economics 191 ..... An Introduction to the Labor Problem
or
Economics 195 ..... Theories of Economic Reform
Economics 197 ..... Government and Business

Select one course from the following:

*English elective, *Philosophy elective, *Political Science elective.

Economics 141 ..... Public Finance
Rural Economics 134 ..... County Government and Administration

VI. FOUNDATION FOR LAW

Junior Year

Commerce 51 ..... Business Organization
Commerce 71-72 ..... Accounting Principles
Economics 81-82 ..... Money and Banking
Economics 170 ..... Economic Statistics
Political Science 51 ..... Government of the United States
Psychology 21-22-23 ..... General Psychology

Senior Year

Commerce 191 ..... Corporation Finance
Commerce 195 ..... Investments
Economics 131 ..... Economic Theory
Economics 141 ..... Public Finance
Economics 195 ..... Theories of Economic Reform
Economics 197 ..... Government and Business
Political Science 131 ..... American State Government

Select three additional courses offered by the Department of Economics and Commerce

VII. ACCOUNTANCY

Junior Year

Commerce 51 ..... Business Organization
Commerce 71-72 ..... Accounting Principles
Commerce 171 ..... Advanced Accounting
Economics 81-82 ..... Money and Banking
Economics 170 ..... Economic Statistics
Psychology 21-22-23 ..... General Psychology

Senior Year

Commerce 91-92 ..... Business Law
Commerce 173 ..... Cost Accounting
Commerce 175 ..... Auditing
Commerce 191 ..... Corporation Finance
Economics 131 ..... Economic Theory
Economics 191 ..... An Introduction to the Labor Problem
or
Economics 195 ..... Theories of Economic Reform

* This elective must be approved by the Dean.

Economics 197 ..... Government and Business
Political Science 51 ..... Government of the United States
Political Science 131 ..... American State Government
or
Political Science 132 ..... American Municipal Government
or
Political Science 134 ..... County Government and Administration

VIII. FOREIGN TRADE AND THE CONSULAR SERVICE

NOTE: It should be understood that this program merely lays the foundation for more advanced and specialized study prerequisite to the proper preparation of candidates for the diplomatic and consular service. One general course in Foreign Trade Technique cannot be expected to substitute for an apprenticeship in that field, but it should materially shorten it.

Junior Year

Commerce 51 ..... Business Organization
Commerce 71-72 ..... Accounting Principles
Economics 81-82 ..... Money and Banking
Economics 170 ..... Economic Statistics
Political Science 51 ..... Government of the United States
Psychology 21-22-23 ..... General Psychology

Senior Year

Commerce 91-92 ..... Business Law
Commerce 169 ..... Foreign Trade Practice
Commerce 181 ..... Advanced Banking and Foreign Exchange
Economics 124 ..... Principles of Marketing
Economics 131 ..... Economic Theory
Economics 161 ..... Theory of International Trade
Economics 191 ..... An Introduction to the Labor Problem
or
Economics 195 ..... Theories of Economic Reform
Economics 197 ..... Government and Business
Political Science 52 ..... The Governments of Europe

IX. GENERAL COURSE

Junior Year

Commerce 51 ..... Business Organization
Commerce 71-72 ..... Accounting Principles
Economics 81-82 ..... Money and Banking
Economics 170 ..... Economic Statistics
Political Science 51 ..... Government of the United States
Psychology 21-22-23 ..... General Psychology

Senior Year

Commerce 91-92 ..... Business Law
Economics 131 ..... Economic Theory
Economics 121 ..... Risk and Risk-Bearing
or
Economics 185 ..... Business Cycles

Economics 191 ..... An Introduction to the Labor Problem
or
Economics 195 ..... Theories of Economic Reform
Economics 197 ..... Government and Business

Select one course from the following:

*English elective, *Philosophy elective, *Political Science elective.

Economics 141 ..... Public Finance
Rural Economics 134 ..... County Government and Administration

Select three additional courses offered by the Department of Economics and Commerce

X. COMBINED COURSE IN COMMERCE AND LAW

The University offers a combined curriculum which leads to the degree of S.B. in Commerce at the end of four years and LL.B. at the end of six years.

The first two years of this combined course are given in the General College with the addition of Government 51 and English 45 or 52 in the second year. The third year is given in the School of Commerce and includes the following courses:

Commerce 51 ..... Business Organization
Commerce 71-72 ..... Accounting Principles
Economics 81-82 ..... Money and Banking
Economics 191 ..... An Introduction to the Labor Problem
or
Economics 195 ..... Theories of Economic Reform
Psychology 21-22-23 ..... General Psychology

Select two additional courses offered by the Department of Economics and Commerce

Upon completion of the above program with grades of C or better on at least half the work, the student enters the School of Law. The degree of S.B. in Commerce is conferred at the end of the fourth year (first year in Law) provided the student has passed all the work of the first year of Law to the satisfaction of the School of Law.

* This elective must be approved by the Dean.

SUBJECTS OF INSTRUCTION

For convenience to the student, those courses in which the subject-matter is treated mainly from a social point of view are grouped separately under the heading Economics. Those courses in which the point of view of the business executive is emphasized are grouped as Commerce courses. However, the two should not be regarded as wholly divorced either in content or purpose. The Commerce courses in almost every case may be reached only through preliminary work in the appropriate division of economic theory. Moreover, they are designed to afford not only explanations of characteristic business organization and practice, but also an understanding of the relationships between specialized business and economic life as a whole.

A further distinction to be noted between Economics and Commerce courses is that, while all courses in economics are available as credit toward the liberal arts degree, courses in commerce, although offered by the same department and teaching staff, are intended only for credit in the School of Commerce.

ECONOMICS

Courses for Undergraduates

11. RESOURCES AND INDUSTRIES. (5).

This course occupies a middle ground between geography and economics. Important data of human economic geography are appraised as to their meaning to the economist. The emphasis in resource analysis, therefore, is on the supply and demand conditions which have a measurable effect on price behavior. The close relationship between geographical facts and institutional developments is taken into consideration. The approach is functional rather than descriptive. Attention is focused on wide vistas and deep perspectives rather than on details of technology. In general, an effort is made to place the discussion on a broad basis of human values and world relationships. *Five hours a week, every quarter. Materials fee $1.00.* Professor Zimmermann; Mr. Fairley.

21-22-23. GENERAL ECONOMICS. (9). Not open to Freshmen.

For description see Economics 31-32. *Three hours a week, through the year.* Professors Lear, Wolf, Evans, Cowden; Messrs. Winslow. Anderson, Douty, Wilder, McFerrin.

31-32. GENERAL ECONOMICS. (10). Not open to Freshmen.

This course is planned to give a general understanding of the organization of our economic life and the fundamental principles underlying it. An analysis is made of production, distribution, and consumption, of the elements which determine value and price, with a brief introduction to money, banking and credit, monopoly, business combinations, transportation, labor problems, and economic reform. Sophomore elective. *Five hours a week, fall, winter; winter, spring; and spring, fall quarters.* Professors Lear, Wolf, Evans, Cowden; Messrs. Winslow, Anderson, Douty, Wilder, McFerrin.

35. ECONOMIC HISTORY. (5). Not open to Freshmen.

A survey of the steps by which economic activities have evolved from primitive beginnings into the complicated capitalistic economy of today. Special emphasis on the development of the wage system, the Industrial Revolution, the expansion of markets, the ebb and flow of industrial activities, the relation of industrial development to political policy, as they have manifested themselves in England and in the United States. *Five hours a week, every quarter.* Professor Heath; Messrs. Douty, Wilder.

61-62. GENERAL ECONOMICS. (10). Not open to Freshmen or Sophomores.

This course is planned for students in the Upper College, other than those whose major is economics, who desire an elective in the principles of economics. The field covered is the same as in Economics 31-32 but at a more advanced level and in a more critical way. *Five hours a week, fall and winter quarters.* Professor Evans.

81-82. PRINCIPLES OF MONEY AND BANKING. (10). Prerequisite, Economics 21-22-23 or equivalent.

A general study of the principles, functions, and forms of money and credit, followed by analyses of current money and credit problems. The second half of the course is devoted to a study of the theory of commercial banking with particular respect to its application and development in the United States. *Five hours a week, fall, winter, and winter, spring quarters.* Professors Woosley, Bernstein; Mr. Winslow.

Courses for Graduates and Advanced Undergraduates

121. RISK AND RISK-BEARING. (5). Prerequisite, Economics 21-22-23 or equivalent.

A study of the risk element in modern industry together with the measures which have been devised to meet it. This course should precede the study of insurance. *Five hours a week, fall quarter.* Professor Lear.

124. PRINCIPLES OF MARKETING. (5). Prerequisite, Economics 21-22-23 or equivalent.

A critical study of marketing organization and operation. Among the topics discussed are: methods of approach to the study of marketing; the marketing of farm products; the marketing functions; trade channels; direct marketing; the services performed by brokers, sales agents, auctions, wholesalers, and different types of retailers; commodity exchanges and future trading; price policies; price maintenance; brand policies; market research; problems relating to marketing costs; and scientific marketing management. Emphasis is placed on recent developments in retailing such as the growth in economic importance of centrally owned chain store organizations and coöperative chains. In the study of the marketing of farm products special attention is given to coöperative marketing, and the work of the Federal Farm Board and the Farm Credit Administration is examined critically. Study is made likewise of other governmental bureaus which influence marketing. *Five hours a week, fall quarter.* Professor Taylor.

131. ECONOMIC THEORY. (5). Prerequisite, Economics 21-22-23 or equivalent.

The primary purpose of this course is the development of greater facility upon the part of the student in the use of economic theory as a tool in the solution of economic and business problems. Supplementary thereto, the assumptions and limitations of economic theory are analyzed. Specific problems are employed to test the utility of theory as a framework of thought

for their solutuion. Required of all seniors in the School of Commerce and of all seniors whose major is Economics. *Five hours a week, every quarter.* Professor Spruill.

137. ECONOMIC DEVELOPMENTS IN THE ORIENT SINCE 1800. (5).

A study of the foundations of economic life and of modern economic developments in Japan, China, and India. Special attention is given to the rise of modern industry, commerce, and finance, and to the effect of these upon the indigenous cultures. *Five hours a week, spring quarter.* Professor Buchanan.

141. PUBLIC FINANCE. (5). Prerequisite, Economics 21-22-23 or equivalent.

A general study of government business covering the principles involved in public revenues and expenditures—local, state, and national; a treatment of the just distribution of public charges and their incidence; and a study of the growth and organization of modern tax systems. *Five hours a week, fall quarter.* Professor Heer.

142. FISCAL ORGANIZATION AND ADMINISTRATION. (5). Prerequisite, Economics 141.

The first part of the course deals with contemporary types of state and local financial organization. The relative advantages of centralized as contrasted with decentralized types are discussed. The second part of the course deals with financial methods and procedure. The topics covered include budgets and budget making, budgeting and auditing control, treasury management, debt administration, assessment procedure, purchasing, and state administrative control over local finance. *Five hours a week, winter quarter.* Professor Heer.

143. PROBLEMS IN PUBLIC FINANCE. (5). Prerequisite, Economics 141.

An advanced critical study of certain present problems in government finance. *Five hours a week, spring quarter.* Professor Heer.

145-146. PROBLEMS OF MODERN INDUSTRIALISM. (10). Prerequisite, Economics 21-22-23 or equivalent.

This course first surveys technological efficiency and market organization as limiting factors in the determination by industrial management of the rational reqirements of plant organization. External political and social forces are then introduced into the complex to show modern industrialism as a phase of mature capitalism. Against this background of modern capitalism, the issues and trends of public policy with respect to economic organization in America and Europe are compared and appraised. (Alternates with Economics 257-258; will be given in 1936-1937.) *Five hours a week, fall and winter quarters.* Professor von Beckerath.

151. TRANSPORTATION. (5). Prerequisite, Economics 21-22-23 or equivalent.

A general study, from the historical and critical points of view, of railway transportation in such representative countries as Great Britain, France, Italy, Germany, and the United States; with some consideration of passenger and freight traffic and rates, and the State's relation to railways. *Five hours a week, fall quarter.* Professor Bernstein.

153. PUBLIC UTILITIES. (5). Prerequisite, Economics 21-22-23 or equivalent.

The first part of the course is historical and descriptive, covering the physical and technical development and the corporate and financial set-up of pub-

lic service corporations other than railroads, including electric light and power companies, telegraph companies, street railways, motor vehicle carriers, and similar utilities. The second part of the course deals with methods of protecting the public interest in utility services. Among the topics considered are: the legal bases of utility regulation, state and federal regulatory agencies, valuation and rate of return, principles of rate making, capitalization and security regulation, the problem of the holding company, and public ownership. *Five hours a week, spring quarter.* Professor Heer.

161. THEORY OF INTERNATIONAL TRADE. (5). Prerequisite, Economics 21-22-23 or equivalent.

In this course international trade is viewed from the standpoint of the political economist, emphasizing the social aspects. After an historical study of the past and a critical analysis of the present foreign commerce of the United States and principal competitors, an effort is made to apply to a survey of our foreign markets and of our foreign sources of supply the general principles of economic theory in so far as they pertain to international trade. Following this the payment balances of this country and of other leading countries engaged in world commerce are critically studied. Finally, the most important theories of international trade are reviewed in the light of historical development. *Five hours a week, fall quarter.* Professor Zimmermann.

165. COMMERCIAL POLICY OF MODERN NATIONS. (5). Prerequisite, Economics 161.

After a general survey of international commercial policy up to the close of the Napoleonic Wars, a more detailed comparative study of the commercial policy of the leading nations during the last hundred years is made. The following countries are included: United States, Great Britain, France, Germany, Russia, Italy, Canada, Argentina, and India. Special attention is given to tariff problems, colonial policies, and to imperialism. The present world resources situation and its probable effect on future commercial policy is appraised. (Alternates with Commerce 169; will be given in 1937.) *Five hours a week, spring quarter.* Professor von Beckerath.

170. ECONOMIC STATISTICS. (5). Prerequisite, Mathematics 1-2-3, Economics 21-22-23 or equivalent.

This course is designed to give an understanding of statistical technique used by economists and business men. Among the topics included are collection of data, tabular and graphic presentation, averages, index numbers, time series analysis, and simple correlation. Emphasis is put on the meaning and limitations of statistical methods rather than techniques of computation and mathematical proofs. The laboratory work is designed to give practice in the use of the processes studied, together with an interpretation of the results found. *Three lecture and four laboratory hours a week, every quarter. Laboratory fee, $1.00.* Professor Cowden.

171. ADVANCED ECONOMIC STATISTICS. (5). Prerequisite, Economics 170 or equivalent.

This course is designed to give the student the ability to use some of the more exact and more technical tools, such as fitting of the normal curve, curvilinear trends for time series, changing the seasonal variation, and multiple correlation. Sampling theory is further considered. The course also seeks to give acquaintance with practical work and current literature in statistics. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $1.00.* Professor Cowden.

185. BUSINESS CYCLES. (5). Prerequisite, Economics 21-22-23 or equivalent, and 81.

A study of the alternating periods of depression and prosperity. The

underlying causes of panics and crises. Fluctuation in prices, trade volume, and physical production. *Five hours a week, winter or spring quarter.* Professor Bernstein.

191. AN INTRODUCTION TO THE LABOR PROBLEM. (5). Prerequisite, Economics 21-22-23 or equivalent.

To the extent that the competitive wage system fails (a) to provide for the laborer an adequate basis for a decent living and (b) to draw from him the services he ought to render to industry, there appears to be a "labor problem." The purpose of this course is to make an analytic survey of the modern labor problem in its major aspects, such as unemployment, low wages, industrial accidents and diseases, overstrain, and superannuation, and the status of the worker in industrial society. Trade unionism and the labor movement and intervention by the State in behalf of the worker, and social methods of coping with the problems of labor are also surveyed. *Five hours a week, fall or winter quarter.* Professor Wolf.

192. LABOR AND SOCIAL CONTROL. (5). Prerequisite, Economics 191.

An advanced course in social methods of coping with labor problems. These fall roughly into three classes: (a) self-help on the part of the workers, which embraces trade unionism, labor political activity, and consumers' cooperation; (b) employers' policies, such as welfare work and paternalism, profit-sharing, and company unionism; and (c) intervention by public authority, as through labor legislation, conciliation and arbitration, and judicial limitation of private property rights. In so far as possible the various topics will be studied in terms of the Southern labor situation. *Five hours a week, spring quarter.* Professor Wolf.

195. THEORIES OF ECONOMIC REFORM. (5). Prerequisite, Economics 21-22-23 or equivalent.

A critical analysis of the leading proposals for reform in the present economic system, including Socialism, Bolshevism, Single Tax, and Social Insurance. *Five hours a week, every quarter.* Professor Carroll.

197. GOVERNMENT AND BUSINESS. (5). Prerequisite, Economics 21-22-23 or equivalent.

This course deals with the control exercised by government over business operations. Emphasis is placed on legal control. Attention in some detail is given to trade regulations, public utilities and the operation of the federal anti-trust laws. The course includes a study of the control of business by the states under their police powers and by the federal government under the interstate commerce and taxing provisions of the federal constitution. Governmental participation in business is treated to a limited extent as is the attitude of government toward labor. The emergency legislation of 1933 and the extensive governmental activities thereunder are studied. *Five hours a week, spring quarter.* Professor Hobbs.

Courses for Graduates

Information concerning courses restricted to graduate students is contained in the catalogue of the Graduate School, which may be obtained upon request.

COMMERCE

(Courses in Commerce count for credit toward the degree S.B. in Commerce only.)

Courses for Undergraduates

51. BUSINESS ORGANIZATION. (5). Prerequisite, Economics 21-22-23 or equivalent.

The forms of business organization with emphasis on the corporation. The external relations of a business organization and the internal coördination of the factors in production with a view to the establishment of effective control and definite responsibility for results. Special attention will be directed to the various functions to be performed, such as production, finance, personnel, marketing, risk-taking, and records and standards. *Five hours a week, fall or spring quarter.* Professor Schwenning.

61. SALES MANAGEMENT. (5). Prerequisite or corequisite, Economics 21-22-23 or equivalent.

This course presents important problems of sales planning and administration from the point of view of the executive in charge of marketing. Among the general topics considered are: the relation of the sales department to other departments of the business; types of sales organizations; the selection, training, compensation, and management of the sales force; distribution policies including the choice of channels and agencies; sales research and market analysis; the determination of price and brand policies; the statistical control of sales operations; and the costs of distribution. Methods of preparing sales budgets are emphasized and budgets used by representative companies are examined. The distributive organization of several companies is studied critically. In the latter part of the course the problem method of instruction is used. *Five hours a week, winter quarter. Laboratory fee, $1.00.* Professor Taylor.

71. ACCOUNTING PRINCIPLES. (6). Prerequisite or corequisite, Economics 21-22-23 or equivalent, Commerce 51.

Lectures with laboratory work. Study of the theory of debit and credit, record making, organization of accounts, and presentation of financial and profit and loss statements. Laboratory exercises in accounting problems and technique. *Four lecture and four laboratory hours a week, every quarter. Laboratory fee, $3.00.* Professors Peacock, Sherrill; Messrs. Cox, Thompson.

72. ACCOUNTING PRINCIPLES. (6). Prerequisite, Commerce 71.

Lectures with laboratory work. An approach to accounting problems from the business manager's point of view. It consists of a thorough study of the organization of the accounting department of a business and its relation to the other departments, accounting systems, construction and analysis of accounting statements. The principles of valuation of assets, depreciation, and bonds are also covered. *Four lecture and four laboratory hours a week, every quarter. Laboratory fee, $3.00.* Professors Peacock, Sherrill; Messrs. Cox, Davis.

91-92. BUSINESS LAW. (10). Prerequisite, Economics 21-22-23 or equivalent.

The aim of the course is to give the student an understanding of the main principles of law which govern in the daily conduct of business. The topics discussed are: contracts, agencies, negotiable instruments, sales, bailments, corporations, partnerships, and bankruptcy. *Five hours a week, fall and winter quarters.* Professor Hobbs.

Courses for Graduates and Advanced Undergraduates

121. INSURANCE: LIFE. (5). Prerequisite, Economics 21-22-23 or equivalent.

A study of the principles and technique of life insurance, including disability, accident, and group insurance. Some attention will also be given to the investment operations of insurance companies. *Five hours a week, winter quarter.* Professor Lear.

122. INSURANCE: FIRE, MARINE, BOND, AND TITLE. (5). Prerequisite, Economics 21-22-23 or equivalent.

In this course, an effort is made to consider as far as possible the wide range which the insurance function covers and the probable trend of its future development. The topics noted in the title of the course are studied and as many others as time will permit. *Five hours a week, spring quarter.* Professor Lear.

141. TRAFFIC PROBLEMS. (3). Prerequisite, Economics 151.

A study of current technical problems in the field of transportation and traffic management. (This course will be given only in case as many as five students register for it.) *Three hours a week, winter quarter.* Professor Heath.

151. PRINCIPLES OF INDUSTRIAL MANAGEMENT. (5). Prerequisite, Economics 21-22-23 or equivalent, Commerce 51.

This course covers the problems involved in the construction, equipment, and administration of a manufacturing enterprise. The unit of study is the factory. The subject matter is treated under four heads: the underlying principles of production, the agencies of production, the control of production operations, and the establishment of production standards. *Five hours a week, winter quarter.* Professor Schwenning.

154. INDUSTRIAL MANAGEMENT: THEORIES AND PRACTICES. (3). Prerequisite, Economics 21-22-23 or equivalent, Commerce 51. Open only to selected seniors and graduate students.

A critical examination of the economic, social, and ethical aspects of modern business administration. Current theories of organization and management will be taken up and subjected to careful scientific analysis. Practices will be compared with theories. An attempt will be made to formulate the underlying principles upon which the administration of modern industrial enterprise rests. (Alternates with Commerce 157.) *Three hours a week, winter quarter.* Professor Schwenning.

155. PERSONNEL MANAGEMENT. (5). Prerequisite, Economics 21-22-23 or equivalent, Commerce 51.

A scientific study of the methods of hiring and handling personnel in the various lines of industry. The supply, selection, training, promotion, transfer, and discharge of employees; the computation and significance of labor turnover; housing, educational, and recreational facilities; the functions of a personnel department with reference to efficiency, and the maintenance of good will between employees and employers. *Five hours a week, spring quarter.* Professor Schwenning.

157. TIME AND MOTION STUDY. (3). Prerequisite, Economics 21-22-23 or equivalent, Commerce 51-151. Open only to seniors and graduate students.

A presentation of the elements of time and motion study as a phase of scientific management and as a device used by modern industrial establishments to measure the productive capacity of workers on specific jobs and to

set production standards. The course will include a discussion of the following: fundamentals and development of time and motion study; equipment and qualifications of a time study man; collection and tabulation of data; organization of the time study department, etc. Students will be given practice in making time studies and in applying the results. (Alternates with Commerce 154). *Three hours a week, winter quarter.* Professor Schwenning.

161. ADVERTISING. (5). Prerequisite, Economics 21-22-23 or equivalent.

A study of the economics of advertising, the place and function of advertising in business, and the psychologial principles applicable to the preparation of advertisements. The chief problems of advertising are discussed from the viewpoint of the executive in charge of marketing who must continually give consideration to what can reasonably be expected from advertising as part of a complete distribution program. Emphasis throughout the course is placed on the ethical aspects of advertising and on the use of research methods in the effective planning and preparation of advertising campaigns. Several outstanding campaigns are studied in detail. Considerable practice is given students in the planning and preparation of advertisements. *Five hours a week, fall and spring quarters. Laboratory fee, $1.00.* Professor Taylor.

163. ADVANCED COURSE IN MARKETING. (5). Prerequisite, Economics 124 or Commerce 61 or 161.

This course is for students who wish to do advanced work in the field of marketing. The particular problems considered vary from year to year depending on the interest of the class. The seminar method is used. *Five hours a week, spring quarter.*—Professor Taylor.

165. RETAIL DISTRIBUTION. (5). Prerequisite, Economics 21-22-23 or equivalent.

A critical study is made of the general policies and practices of retail institutions such as unit stores, department stores, specialty stores, chain stores, voluntary chains, and mail order houses; and an attempt is made to develop the principles of retail distribution. Among the general topics considered are: elements of retail profit, types of retail institutions and types of merchandise, store location, store layout and merchandise classification, sales and service policies, merchandising, pricing policies, brand policies, relations with merchandise sources, and organization. Problems and cases form an important part of this course. *Five hours a week, winter quarter.* Professor Taylor.

169. FOREIGN TRADE PRACTICE. (5). Prerequisite, or corequisite, Economics 124.

This course treats of foreign trade as a business profession, developing both its functional and structural aspects. Attention is given to both exporting and importing as well as ocean shipping and marine insurance. (Alternates with Economics 165; will be given in 1938.) *Five hours a week, spring quarter.* Professor Zimmermann.

171. ADVANCED ACCOUNTING. (5). Prerequisite, Commerce 71-72.

Lectures with laboratory work. Study of accounting problems and forms for special types of business concerns. Accounting for the organization and liquidation of co-partnerships and corporations, for combinations and consolidations, for trustees and receiverships, branch houses, municipalities, and foreign exchange. *Five hours a week, spring quarter. Laboratory fee, $3.00.* Professor Peacock.

172. ACCOUNTING PRACTICE. (6). Prerequisite, Commerce 71 and prerequisite or corequisite, Commerce 72.

A laboratory course. Bookkeeping systems and records for the various industries prevalent in North Carolina are studied and practice sets for each are prepared. A tentative list will include tobacco manufacturing, furniture manufacturing, cotton goods manufacturing, automobile sale agencies and garages, banks in small cities, and municipalities. *Six hours a week, spring quarter. Laboratory fee, $3.00.* Professor Peacock.

173. COST ACCOUNTING. (5). Prerequisite, Commerce 71-72.

Lectures with laboratory work. Methods for collection of data relative to prime costs and a careful analysis of various methods of burden distribution. Application of principles will be made in the laboratory by means of budgets for cost accounting in different classes of enterprise. *Five hours a week, fall quarter. Laboratory fee, $3.00.* Professor Peacock.

175. AUDITING. (5). Prerequisite, Commerce 71-72.

Lectures and problems. Kinds of audits, systems of accounts, methods of conducting audits, and problems in auditing. *Five hours a week, winter quarter. Laboratory fee, $3.00.* Professor Peacock.

177. INCOME TAX PROCEDURE. (5). Prerequisite, Commerce 71-72.

This course consists of a thorough study of both the Federal and State income tax laws and the problems that arise in the making of the various returns. The preparation of the tax returns and claims for refund will be undertaken as laboratory exercises. *Five hours a week, winter quarter. Laboratory fee, $2.00.* Professor Sherrill.

178. C. P. A. PROBLEMS. (3). Prerequisite, Commerce 71-72.

This course deals with the questions and problems given by the different states and the American Institute in their C. P. A. examinations. Typical problems are solved, and solutions prepared by the leading accountants of the country are studied. (This course will be given only in case as many as five students register for it.) *Three hours a week, spring quarter.* Professor Peacock.

179. GOVERNMENTAL ACCOUNTING. (5). Prerequisite, Commerce 71-72.

Lectures and laboratory work. A study of budgeting accounting and its application to the various governmental units; the differences between fund accounting and commercial accounting; methods of collecting data recorded in books of original entry; and the preparation of financial statements. A survey will be made of systems for educational institutions, and for state, county, and city governments. Laboratory work will consist of practical problems. Field trips will be taken in order to study the system used by the State of North Carolina, the system prepared by the County Government Advisory Commission for counties, and other available systems. *Five hours a week, spring quarter. Laboratory fee, $2.50.* Professor Sherrill.

181. ADVANCED BANKING AND FOREIGN EXCHANGE. (5). Prerequisite, Economics 81-82.

A study of the operation and administration of the commercial banking system. Comparisons with the banking systems of other countries will be made. Federal Reserve policies, and the theories underlying them, will be examined. Attention will also be directed to international banking operations and the forces determining the rates of foreign exchange. *Five hours a week, spring quarter.* Professor Woosley.

191. CORPORATION FINANCE. (5). Prerequisite, Economics 21-22-23, Commerce 51 and 71.

A study of the principles and practice of corporate financing. Among the topics considered are: the methods of raising permanent capital, problems of current financing, the treatment of earnings, and financial problems incident to expansion and reorganization. Specific problems and reports are employed to illustrate and emphasize the principles involved. *Five hours a week, fall or winter quarter.* Professor Woosley.

195. INVESTMENTS. (5). Prerequisite, Economics 21-22-23, Commerce 71-72, 191.

This course is essentially a laboratory study of corporate securities from the standpoint of the investor. Primary emphasis is placed upon the development of technique and standards of investment analysis. *Five hours a week, spring quarter.* Professor Woosley.

ALLIED SUBJECTS

English

51. ADVANCED COMPOSITION: BUSINESS ENGLISH. (5).

A course primarily for students in the Schools of Commerce and Pharmacy, and in science, designed to give practice in writing the forms commonly used in the business world: letters, reports, professional papers, and articles for the press. *Five hours a week, spring quarter.* Professor Howell.

Political Science

51 (21). THE GOVERNMENT OF THE UNITED STATES. (5).

A general course dealing with the national government of the United States. Attention will be directed to the constitutional basis, the historical development, and the practical organization and operation of the institutions established for administering national affairs. Textbooks, lectures, discussions, and readings. *Five hours a week, each quarter.* Professors Jenkins, Frazer, Fesler.

52. THE GOVERNMENT OF EUROPE. (5).

A comparative study of government in the principal European countries, including Great Britain, France, Germany, Italy, and Russia. *Five hours a week, winter or spring quarter.* Professor Robson.

131. AMERICAN STATE GOVERNMENT. (5).

A study in the principles, organization, and administrative methods of state government. In connection with the course will be a special study of the government of North Carolina. Lectures, readings, and reports. *Five hours a week, fall or spring quarter.* Professor Jenkins.

132. AMERICAN MUNICIPAL GOVERNMENT. (5).

An historical survey of the development of governmental structure, theory, and functions in American municipalities, and careful analysis of existing municipal conditions, with special attention to city and town government in North Carolina. Each student will make an intensive study of his own or of some other city or town. *Five hours a week, fall quarter.* Professor Woodhouse.

134. COUNTY GOVERNMENT AND ADMINISTRATION. (Same as Rural Economics 134). (5).

A study of the forms of organization, the functions, and the operation of

County Government in the United States and especially in North Carolina in their historical development, but with special emphasis on present conditions and tendencies and on possible improvements. Each student will be required to study, as extensively and as intensively as possible, the government and administration of one county, preferably his home county, and to put his results into essay form. Textbooks, lectures, and readings. *Five hours a week, winter quarter.* Professor Woodhouse.

141. INTERNATIONAL LAW. (5).

A study will be made of the rules observed by the states of the world concerning their relations in peace and in war. Lectures and the preparation of typical cases by the students. *Five hours a week, fall quarter.* Professor Frazer.

Psychology

21-22-23. GENERAL PSYCHOLOGY. (12).

The aim of the course is to present the essential phenomena of psychology as an experimental natural science. Emphasis is placed on the organic relationships within the whole field and upon some crucial problems of daily life. Lectures, textbooks, laboratory. *Three lecture and demonstration hours and two laboratory hours a week, throughout the year. Laboratory fee, $2.00 a quarter.* Professor Bagby; Messrs. Wickens, Welch, Spelt; Assistant.

135. ECONOMIC PSYCHOLOGY: INDUSTRIAL AND VOCATIONAL. (5).

There will be two main divisions of the course, as follows: (1) The adjustment of the worker to his work—including training, effects of incentive, monotony, and fatigue; motion study and mental hygiene in industry. (2) The selection of personnel for various kinds of work, with the industrial use of tests of intelligence and personality. An outline of vocational psychology will be given, and the psychology of salesmanship discussed. Lectures, experiments, readings. *Five hours a week, spring quarter.* Professor Bagby.

Sociology

51. INTRODUCTION TO SOCIOLOGY. (5).

Emphasis on social origins as found in primitive society; the rise of contemporary society; the forces shaping society studied through geographical, biological, psychological, and cultural approaches; social organization and control; the elements of social theory. *Five hours a week, every quarter.* Professor Brooks.

EXPENSES

The University reserves the right to make with proper authorization of the Trustees changes in any fees at any time.

The regular charges made by the University for each of the three quarters of the regular academic year are shown below.

Each student whose *bona fide* residence has not been established in North Carolina for at least the six months immediately prior to his first registration in the University must pay an extra fee of $33.34 for each regular quarter he spends in residence. The residence of a minor is that of his parents or guardian. The residence of an adult remains with his parents unless he shall have independently set up his own.

Bona fide residence means that the student is not in North Carolina primarily to attend the University and that his status as a resident has not been set up merely as a technical bar to the extra charge. Mere ownership of property or payment of taxes in the State does not qualify one as a resident; nor may a student qualify by living in North Carolina the six months immediately prior to his first registration unless he continues so to live during the whole period of his stay at the University.

Students are presumed to know their correct residence status and to state the facts concerning it truthfully on their registration blanks. Students in doubt should appeal their cases in writing to the Dean of Administration, preferably in advance of registration. Students who misrepresent the facts of their residence status for the purpose of defrauding the University will be dealt with as are all other violators of the honor code.

	Residents of North Carolina
Tuition	$25.00
*Matriculation	14.50
Student Publications	2.30
Laundry Deposit	8.50
Student Union Fee	1.00
Special Library, Lecture, and Materials Fee	2.00
Student Entertainment Fee	1.00
	$54.30

Laboratory fees ranging from $1.00 to $3.00 are charged in a few courses requiring this form of supplementary instruction. Board may be obtained at rates ranging from $22.50 upward a month. Room rent in the college dormitories, two students to a room, ranges from $5.25 to $10.00 a month for each occupant. This charge includes light, heat, and service. Students provide their own pillows, towels, bed linen (single beds), and blankets. Rooms are also available at varying rates in private homes in Chapel Hill.

* This fee includes fee for physical education, the library fee, the fee for infirmary service, and the fee for debates.

MARCH 30, 1936 NUMBER 306

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE ONE HUNDRED AND FORTY-SECOND SESSION

CATALOGUE OF THE SCHOOL OF PUBLIC ADMINISTRATION

1935-1936

Announcements for the Session
1936-1937

THE UNIVERSITY OF NORTH CAROLINA PRESS
ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER
ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT
CHAPEL HILL, N. C.
UNDER THE ACT OF AUGUST 24, 1912

CATALOGUE OF EVENTS

SESSION, 1936-1937

1936

June 7-9	*Sunday through Tuesday.* Commencement Exercises.
June 11-July 22	Summer Session, First Term.
July 23-August 29	Summer Session, Second Term.
September 14-15	*Monday and Tuesday.* Examinations to remove condition grades.
September 17	*Thursday.* Registration for the fall quarter.
September 18	*Friday.* Class work for the fall quarter begins.
October 12	*Monday.* University Day.
November 25	*Wednesday.* Thanksgiving Recess begins (1:00 p.m.).
November 30	*Monday.* Thanksgiving Recess ends (8:30 a.m.).
December 10-19	*Thursday* to 1:00 p.m. *Saturday* of following week. Registration for the winter quarter.
December 15-19	*Tuesday through Saturday* (1:00 p.m.). Examinations for the fall quarter.
December 19 (afternoon)-30	Christmas Recess.
December 31	*Thursday.* Registration of new students.

1937

January 1	*Friday.* Class work for the winter quarter begins.
March 5-13	*Friday* to 1:00 p.m. *Saturday* of following week. Registration for the spring quarter.
March 9-13	*Tuesday through Saturday* (1:00 p.m.). Examinations for the winter quarter.
March 15	*Monday.* Registration of new students.
March 16	*Tuesday.* Class work for the spring quarter begins.
April 11-18	*Sunday through Sunday.* Spring Recess.
May 31-June 4	*Monday through Friday.* Examinations for the spring quarter.
June 6-8	*Sunday through Tuesday.* Commencement Exercises.

INFORMATION PERTAINING TO THE GENERAL UNIVERSITY

The School of Public Administration is one of the divisions of the University of North Carolina, located at Chapel Hill. It is governed by the same administration, the same board of trustees, the same laws and regulations as the rest of the university.

The previous record of each applicant for admission must be passed upon and approved by the Dean of Admissions of the University.

STUDENT GOVERNMENT

The student body of the university is self-governing. The functions of this government are both disciplinary and constructive. The functions are exercised by the Student Council which is elected by the student body. Student government, insofar as it is disciplinary, is based upon the honor principle. No code of rules is laid down to direct a student what to do and what not to do. The only standards are those of morality and gentlemanly conduct, and obedience to the laws of North Carolina. The Student Council has power to discipline or suspend or dismiss a student from the university, but the final and supreme power is in the general university faculty, delegated to it by the Board of Trustees.

WITHDRAWALS

Formal withdrawal, which is prerequisite to honorable dismissal or reëntrance to this institution, must be approved by the student's Dean to be valid. Such a withdrawal will be approved only after full investigation of the circumstances and after the lapse of twenty-four hours from the time the first application is filed with the Dean. The withdrawal form after approval by the Dean must be filed promptly with the Recorder in room 8, the South Building.

If a student withdraws after the mid-term and is reported as below passing in two or more courses, that quarter will be counted as a quarter in residence in all computations of his requirements for readmission. If a student withdraws before mid-term, it will be left to the discretion of the Dean as to whether or not that quarter is to be counted as a quarter in residence. The Dean's verdict will be indicated specifically on the form used for withdrawal.

HEALTH AND RECREATION

The health of the student community is cared for by the maintenance of a properly appointed infirmary with a staff of well trained physicians and nurses. The university gymnasium and five large

athletic fields provide ample facilities for exercise and recreation, all under the supervision and direction of a well organized department of physical education.

LIBRARIES

In addition to the specialized departmental and school libraries the general university library, containing over two hundred and eighty-five thousand volumes, offers its opportunities to members of all divisions of the institution.

LOCATION

Chapel Hill is thirty miles west of Raleigh, the capital of the state, in the beautiful Piedmont section of hills and forests. It is served by the Southern Railway and entered from every direction by paved roads. Its environment of natural beauty and simple culture, of age and traditions, is impressive. The University of North Carolina, the first state university to open its doors in America and a member of the Association of American Universities, is recognized as a leader among educational institutions.

THE SCHOOL OF PUBLIC ADMINISTRATION

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† Absent on leave, 1935-1936.
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GENERAL INFORMATION

The School of Public Administration has been established with three major objectives in view. One is to take its place alongside other efforts of the University of North Carolina to make higher education effective and dynamic in coming to grips with modern realities and with growing complex economic and social situations with which the

* Absent on leave, 1935-1936.

citizen and educator are faced. The second purpose is to offer professional training to students in the art of science of government, public service, social problems, and social work, thus assuring practical applications to problems of government based upon adequate knowledge and sound theory. A third purpose is found in its efforts for study and research, to the end that it may provide adequate knowledge and facts for the upraising of standards and for those who need them in the performance of their administrative duties. Its curriculum seeks to contribute something to the reorganization and revivifying of higher and professional education in the State and the region, at the same time that it affords technical training for specialists preparing for public service and for those officials and workers who are already in the field.

The School of Public Administration is an extension and enlargement of the School of Public Welfare, which was established at the University of North Carolina in 1920, the main objective of which was the training of public welfare officials and social workers. Ten years of work of this School showed clearly that there is not only a still larger need today for the sort of training which the School of Public Welfare has offered, but an insistent and growing demand for training in the larger fields of government and public administration as these are being called upon for greater service and more technical equipment to cope with modern situations. Consequently, in 1931, President Graham urged the establishment of a new School of Public Administration in which the work in Public Welfare and Social Work would be continued with still higher standards as an important division. Such a school received the hearty support of the Governor of the State, who was successful in securing a beginning appropriation in line with his other efforts toward the reorganization and strengthening of government in North Carolina. Subsequently, a small cooperative grant for three years was received for coördinating the research needs of the School of Public Administration with the research program of the Institute for Research in Social Science. The new School was, therefore, authorized by the Board of Trustees at their meeting in June, 1932.

THE DEMAND FOR PROFESSIONAL TRAINING

The character of government and public relations has changed extensively in recent years to meet the increasing needs and demands of society. With every expansion of the function of government there has arisen an agency to administer it, thus multiplying administrative processes and administrative officers. In national, state, and local areas, new officers, new departments, new bureaus, boards, and commissions have been created. There are now literally hundreds of thousands of persons engaged in the work of public administration in this country. There is a widespread and insistent demand for

efficiency and economy in government. There is an increasing demand that those who administer public affairs should have definite and specific training for their tasks. It is in response to these demands that this School has been created.

Opportunities for trained men in the public service are rapidly increasing. This is especially true in the fields of city management, health administration, public welfare, and social work, and is increasingly true in other fields such as financial administration, county management, and legal administration. Bureaus of research and various civic organizations also demand a large number of men and women who have had experience in research. There is also increasing opportunity for well-prepared teachers in this field, both for the secondary schools and for the colleges.

In addition to training for a specific task, the prevailing attitude toward political life is making it more inviting for people of broad training and outlook definitely to look toward a career in political life.

PURPOSES

The main purposes of the School may be stated as follows:

1. To give a general view of the field of public administration to those who may or may not wish to become public administrators, but who, if they do not become administrators themselves, will be able as citizens in every capacity to help raise the level of governmental efficiency.

2. To give special training to those who will enter the public service.

3. To give additional training to those already in the public service.

4. To give special emphasis to the training of social workers.

The curricula outlined in the following pages are planned to meet the requirements here stated.

ADMISSION

Students are admitted to the School of Public Administration at the beginning of the junior year. The requirements for admission are:

1. The completion of the freshman and sophomore years in the General College or equivalent work done elsewhere.

2. Of the following five subjects at least two (or equivalent courses done elsewhere) must be presented:

21-22-23	Economics	21-22-23	Sociology
51	Political Science	21-22-23	Psychology
21-22-23	History		

Four of the five preceding subjects will be required for graduation in this course. Students preparing to enter the field of social work may,

with the approval of the Dean, substitute certain courses in sociology and rural sociology for the courses in government and history.

Special mature persons, well qualified by experience, training, and ability, may be admitted by permission of the Dean to courses leading to a Certificate in Public Administration, or to a Certificate in Social Work.

For admission to the Graduate School, see page 10 and also the special catalogue of the Graduate School.

EXPENSES

The University reserves the right to make, with the approval of the proper authorities, changes in any fees at any time.

Each student whose *bona fide* residence has not been established in North Carolina for at least the six months immediately prior to his *first* registration in the University must pay an extra fee of $33.34 for each fall, winter, or spring quarter he spends in residence. The residence of a minor is that of his parents or guardian. The residence of an adult remains with his parents or guardian unless he shall have independently set up his own.

Bona fide residence means that the student is not in North Carolina primarily to attend the University, and that his status as a resident has not been set up merely as a technical bar to the extra charge. Mere ownership of property or payment of taxes apart from residence does not qualify one as a resident, nor may a student qualify by living in North Carolina the six months immediately prior to his first registration, unless he continues so to live during the whole period of his stay at the University.

Tuition and Other Fees for Each Quarter

Tuition	$25.00
*Matriculation	14.50
Student Publications	2.30
Laundry Deposit	8.50
Student Union	1.00
Total for each quarter	$51.30

DEGREES AND CERTIFICATES

The degree of Bachelor of Science in Public Administration will be given upon the completion of the curriculum outlined below.

A Certificate in Public Administration or in Social Work will be given upon the completion of nine courses in the School of Public Administration approved by the Dean, together with the completion of three months of field work.

* This fee includes the fee for physical education, the library fee, the fee for infirmary service, and the fee for debates.

For information on graduate programs and advanced degrees in public administration the reader is referred to the Catalogue of the Graduate School.

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC ADMINISTRATION

The object of this course of study is to give the student a broad view of the field of administration, to afford the basis for further training in specific administrative positions, and also to lead toward the preparation for teaching in the field of government and civics.

The work of the freshman and sophomore years will be, as stated above, the same as that in the General College, or equivalent work done elsewhere, with the prerequisites as previously stated.

The major work will be in the Department of Public Administration.

The minor work should be in Economics, History, Political Science, Sociology, or Rural Social Economics.

The following courses, in the junior and senior years, are required:

101 Public Administration
131 American State Government
132 American Municipal Government, or
134 County Government Administration
141 Public Finance
151 Elements of Political Science
71-72 Accounting

Students preparing to enter the field of social work, on the approval of the Dean, may substitute for 141, 151, and (or) 71-72:

160 Introduction to Social Work
198 Juvenile Delinquency
168 The Community
193 Social Pathology

Electives: All courses listed in the Department of Public Administration and courses in the department of the minor subject. A limited number of free electives and substitutions of equivalent courses will be allowed with the permission of the Dean.

GRADUATE DIVISION

To meet the demand for trained men and women in the field of public service and social work, technical courses leading to preparation for particular positions in administrative work are offered. This work is on the graduate level and will lead to the degree of Master of Science in Public Administration. *See note above under Degrees and Certificates.* When and if the programs and degrees have been approved, such degrees will be administered by the Graduate School as are all other graduate degrees. The reader is referred to the cata-

logue of the Graduate School for full information covering all necessary matters of detail. The requirements for admission to these courses will be the same as those prescribed in the Graduate School. Properly qualified special students may be admitted to graduate courses with the approval of the Dean of the Graduate School and the Dean of the School of Public Administration.

The various fields of work are designated according to function, and courses especially adapted for the preparation of the student in each kind of work will be offered. The work is divided into five parts:

I. Public Service
II. Public Welfare and Social Work
III. Public Health Administration
IV. Marriage and the Family
V. Research and Surveys

I. PUBLIC SERVICE

Public Service Administration is arranged in the following groups:

Group 1.—*City Management.* The object of the work in Group 1 will be to give the student specific training in city management and administration. A degree in engineering is desirable but is not required. Among the courses that will naturally be taken are: those in public administration, municipal government and administration, city planning, public utilities, public finance, police, fire and traffic administration, etc. The course of study will be planned in conference with the Dean and will be based upon the previous preparation of the student and upon his aptitude for this work.

Group 2.—*Public Works Administration* is very closely allied to Group 1. A large proportion of present city managers are engineers. The prerequisite for the work in this group is the degree in engineering. The engineer who aspires to public works administration should have, in addition to his engineering training, courses in financial administration, municipal government and administration, personnel management, public health, public welfare administration, etc.

Group 3.—*County Management,* while presenting many of the same problems as city management, does have different problems such as regional planning, rural social problems, rural education administration, county government and administration, etc.

Group 4.—*Financial Administration* includes such problems as public finance, accounting, statistics, financial organization and administration, etc. The number and importance of administrative positions in this field are apparent. Expert training is definitely required for the proper administration of these phases of governmental work.

Group 5.—*Legal Administration* includes such positions as juvenile court judges, city and county attorneys, judges of city and county

courts, and mayors. These officers will need in addition to their legal training courses in sociology, public welfare, psychology, economics, and courses listed above in groups 1, 3, and 4.

Group 6.—*Public Education Administration.* The problems of administration in the office of city and county superintendent and in state departments of education are increasingly exacting and difficult. In addition to their equipment and experience in the art of teaching and the general field of education, such officers need to know budget making, the principles of organization and the problems of administration, such as personnel, morale, classification, promotion and retirement systems, etc.; something of governmental accounting, state and municipal or county government; the relation of the schools to juvenile delinquency, public health, public welfare, and administrative law. It is therefore the purpose of the School of Public Administration to supplement and strengthen, where possible, the work of the Department of Education, by providing special training for higher administrative positions for those who have distinctive qualifications for administrative work.

II. PUBLIC WELFARE AND SOCIAL WORK

The former School of Public Welfare has become a part of the School of Public Administration. Under the enlarged program, there will be no lessening of the emphasis upon training for social work. With continued special attention to training for work in rural and small town communities, the School in this division changes its objectives only in offering additional facilities for training in the administrative aspects of the social work field. It offers training and services fitted to the needs of several groups:

(1) To graduate students it offers two general groups of courses:

a. *Social Work.* The object of the work in this group will be to fit the student for work in either public or private social work agencies. Special emphasis will be given to case work.

b. *Public Welfare Administration.* In this group, without neglecting social work technique, emphasis will be upon the administrative aspects of social work. Public Welfare Administration will be stressed, but attention will also be given to the administration of private social agencies.

(2) To graduate students who do not care to work for an advanced degree, and to a limited number of other mature students whose educational background is approved by the Dean of the School, it offers a course leading to a Certificate in Social Work. The following courses must be completed for the Certificates: Introduction to Social Work, Family Case Work, Advanced Family Case Work, Public Welfare Administration. The Family, and at least four other courses approved by the Dean. In addition the student must have had a

minimum of 300 hours field work supervised by the School or three months of field work in an agency approved by the School.

(3) For county superintendents of public welfare, juvenile court judges, probation officers, parole officers, workers in correctional institutions and in child-caring institutions, and other social workers desiring to do special work or research for a short time, special courses of study of one, two, or more quarters are arranged. Students not eligible for admission to other courses on account of lack of educational qualifications may on the approval of the Dean be admitted to these special courses as *special mature students.*

(4) Social workers desiring additional training for their work, and teachers and others wishing to gain some knowledge of certain phases of social work training, may find courses offered in connection with the Summer Session suited to their purposes. The work of the Summer Session may also be counted toward a certificate or a degree.

(5) *Summer institutes for special groups:

a. In coöperation with the State Board of Charities and Public Welfare of North Carolina, institutes of one or two weeks' duration are held each summer for county superintendents of public welfare, juvenile court judges, probation officers, institutional workers, other social workers, and persons interested in social work. These institutes serve a two-fold purpose: first, they offer some additional training to the inadequately trained worker already holding a position; second, they furnish an opportunity for "stock-taking" and conferences to the social workers of the State.

b. In coöperation with the University Extension Division and the State Congress of Parents and Teachers, an annual Parent-Teacher Institute is held during the Summer Session. This is a leadership training institute. The time duration is generally a week or ten days. National and State certificates are granted to those successfully completing the work. The method of conducting these institutes includes classroom work, lectures, reading, and entertainment.

c. The "Boy Scouts of America" requires of its executives professional advancement work. The Boy Scout executives of North Carolina come to the University twice each scholastic year for seminar study. Fifty hours of work are completed. The classroom and lecture work is done by members of the University faculty, in coöperation with the Boy Scouts of America and under the leadership of the

* The institutes are not a part of the proposed graduate programs. Descriptions are inserted here to show the full picture of the School's connection with public welfare and social work.

Bureau of Recreation of the University Extension Division. The University also sponsors frequent Boy Scout gatherings.

(6) *Bureau of Recreation.* Information and advisory service regarding play, recreation, leisure time problems, and physical education are offered through the Bureau of Recreation of the University Extension Division in coöperation with the Department of Sociology. Play institutes are conducted to demonstrate the value of organized recreation in school and community. Physical ability tests for school children are available. The Bureau is officially represented on a number of National and State Boards. Lectures to civic and club groups are offered.

Field Work. It is the purpose of the School to give emphasis to training for social work in rural and small town communities—that is, for the typical social work situation as it exists in North Carolina and the South. Field work is under the direction of a trained social worker of successful practical experience. The Director of Field Work is also Superintendent of Public Welfare for Orange County, in which the University is located. In addition, he has charge of the home service activities of the local Red Cross Chapter and is service officer for the local post of the American Legion. This concentration of local social work under one head gives the School a variety of cases and enables it to give field work to its case work students under the immediate direction of a member of its own staff.

In addition, the School has had from its organization cordial relationships with the State Board of Charities and Public Welfare and the coöperation of that Board in arranging field work for its students. Through such coöperation additional case work personnel has been supplied to Orange County by the State so as to provide field work opportunities for University students. Included in this personnel is a case work supervisor of recognized training and experience who devotes most of her activities to the detailed supervision of the field work with case work students.

The field work is closely correlated with class instruction in case work methods. For instance, the class in advanced case work meets twice a week for a two hour period. One of the periods is devoted to the discussion of theoretical case work technique under the direction of the instructor in case work. The other period is devoted to the discussion of cases with which the students are actually dealing in their field work. At this meeting both the instructor and the director of field work are present. In cases involving mental problems, they are joined by the instructor in abnormal psychology, who is also head of the Bureau of Mental Health and Hygiene of the State Board of Charities and Public Welfare. In short, the group becomes a case committee under the direction of the instructor and the active leadership of the director of case work.

The course of study in each group will be arranged with the approval of the Dean after full consideration of the preparation, special qualifications, and abilities of the student.

III. PUBLIC HEALTH ADMINISTRATION

Public Health is an increasingly important function of government. State Boards of Health cover a wide field of service and each city and county has its public health administrator. The number of public health officials is therefore increasing and the demands are insistent for higher standards of qualification and equipment for health administrators.

The University of North Carolina is not proposing to set up a School of Public Health but it is offering courses of study to supplement the basic work in this field, in order that immediate and practical needs in this state and region may be adequately met. The State Board of Health is coöperating fully and completely in carrying out this program. In the University, the School of Medicine, the School of Engineering, and the School of Public Administration are joining in offering the necessary courses.

Special attention is called to the *Short Curriculum in Public Health Administration.* This course was offered for the first time during the fall quarter of the University year beginning September 22, 1933, and ending December 20, 1933, and has been offered thereafter in the regular fall quarter. This course is designed especially to meet the immediate and practical needs of public health officers in North Carolina. It will be especially helpful to physicians who wish to enter public health work. Since it is assumed that only mature and advanced students will take the course, the training is extensive and intensive for so short a period—one quarter.

Students in the Division of Public Health may with the permission of the Director elect the courses in public administration which are necessary to receive the proper certificate.

IV. SPECIAL COURSES ON MARRIAGE AND THE FAMILY

The recent, rapid development of various undertakings and techniques designed to conserve marriage and the family and to help individuals dealing with personal problems of marital and family relationships through clinic, educational, and advisory services has created a demand for a specifically prepared social worker. The object of this division is to provide an opportunity for graduate students to train in the field of marriage and the family, and it offers preparation in the teaching of courses on the family and marriage in high school and college, in marriage consultation service, and in marriage and family case work.

The course is open only to college graduates and its completion requires four quarters.

The program includes a seminar, surveying the organizations and techniques that have developed to meet present needs of the family and marriage; a demonstration course in teaching marriage to college men or women, with occasional conferences for discussion of the problems that arise in the presentation of the material to the class; a demonstration course in the teaching of the family, which also includes conferences from time to time with the students electing the work of this division; courses in the laws of domestic relations, human heredity and reproduction, abnormal psychology, family case work, juvenile delinquency, social pathology, social legislation, and social research.

During the summer an institute is held on the teaching of marriage and family courses, with a program of information-giving addresses by specialists in the field and in related sciences such as medicine, law, psychology, psychiatry, and dietetics, and round-table gatherings for the discussion of problems of technique. This institute is open to the general public and brings together specialists and workers from a wide area of interests and experience.

V. RESEARCH AND SURVEYS

One of the greatest needs of the State in order to carry on the functions of government with a greater economy, greater effectiveness, and greater social justice is knowledge about conditions and information about all of its problems. If the State, working through its regular officials and its special committees, commissions, and citizens' groups, is to make satisfactory progress, there is need for coöperative research and a continuous search for the rapidly changing facts. The School of Public Administration, therefore, in coöperation with the Institute for Research in Social Science and with other Schools will seek to offer its services in study and research in various fields of state, county, and municipal government, in special inquiries into cost of government, taxation, resources, personnel, and in many other emerging problems.

LECTURES

It is the intention of the School of Public Administration to work in the closest possible coöperation with the officers of the state, municipal, and county governments in North Carolina. In order that the student may have the most vital and interesting connection with administrative work as it is actually carried on, a number of administrative officers will be asked to speak to the students from time to time. Heads of some administrative departments of the state government in Raleigh, city and county managers, mayors, chairmen of the boards of commissioners, and other administrative officers in this State have generously promised their coöperation in carrying out the work of the School, and there will be lectures from a number of these officers from time to time throughout the year.

FIELD WORK

Before the Master's degree is awarded in the School of Public Administration, the student will be required to do three months of field work in some governmental department, in addition to the completion of the required residence work, except that a student in the division of Public Welfare and Social Work who has completed in residence a minimum of 300 hours of supervised field work will not be required to have additional practice experience for the Master's degree or for a certificate. Various administrative officers have indicated their willingness to coöperate in placing students in positions which will give them practical training in the field in which they are specializing.

EXTENSION SERVICE

The purpose of the work in Extension Service will be to offer additional training to persons already engaged in the public service.

As early as 1921, the first regional conference of town and county administrators was held at Chapel Hill under the general auspices of the School of Public Welfare. Other special institutes and conferences have been held for superintendents of public welfare and for police officials, and special surveys have been made of the North Carolina prison system and of a number of county and city situations. However, the need at the present time is for a more extended service. The present plan provides for these new types of coöperation, instruction, and work:

a. Through extension classes and group instruction in various parts of the State.

b. Through special institutes and conferences held in various communities.

c. Through special institutes held at Chapel Hill, with the assistance of experts from the State in different fields of administration.

COURSES OF INSTRUCTION

Courses for Undergraduates

For a list of courses for undergraduates, see previous requirements under "Admission" and for descriptions of courses listed by titles only the reader is referred to the departments and numbers shown in parenthesis in the General College catalogue, that for the College of Arts and Sciences, that for the School of Commerce, that for the School of Law, that for the School of Medicine, and that of the Graduate Schools.

35. ECONOMIC HISTORY. (Economics 35). (5). (General College).

42. SOCIAL PROBLEMS. (Sociology 42). (5). (General College).

71-72. ACCOUNTING PRINCIPLES. (Commerce 71-72). (12). (School of Commerce).

83. AMERICAN LITERATURE. (English 82). (5). (Arts and Sciences).

91-92. BUSINESS LAW. (Commmerce 91-92). (10). (School of Commerce).

Courses for Graduates and Advanced Undergraduates

101. PUBLIC ADMINISTRATION. (5). Prerequisite, Bachelor's degree or three courses in Government, History, Economics, and Sociology.

General problems of public administration in the modern state. The development of administration; the principles of organization; its relation to the legislative and judicial branches of government; the processes of integration and centralization; the administrative reorganization of the United States; relation to administrative law; etc. Special problems of administration, such as personnel, the budget, administrative rules and regulations, morale, recruitment and examinations, promotion and efficiency methods, and retirement systems, will be considered. *Five hours a week, fall or spring quarter.* Professor ----------.

103. PUBLIC HEALTH AND HYGIENE (Bacteriology 234). (3). (School of Medicine).

111. NORTH CAROLINA: ECONOMIC AND SOCIAL (Rural Social Economics 101). (5). (Arts and Sciences).

115. CRIMINAL LAW ADMINISTRATION (Law). (4½). (School of Law).

122. GOVERNMENT AND ADMINISTRATION OF EUROPEAN CITIES (Political Science 122). (5). (Arts and Sciences).

131. AMERICAN STATE GOVERNMENT (Political Science 131). (5). (Arts and Sciences).

132. AMERICAN MUNICIPAL GOVERNMENT (Political Science 132). (Arts and Sciences).

134. COUNTY GOVERNMENT AND ADMINISTRATION (Political Science 134 and Rural Social Economics 134). (5). (Arts and Sciences).

138. LEGAL PSYCHOLOGY (Psychology 138). (5). (Arts and Sciences).

141. PUBLIC FINANCE (Economics 141). (5). (Arts and Sciences).

142. FINANCIAL ORGANIZATION AND ADMINISTRATION (Economics 142). (5). (Arts and Sciences).

144. MENTAL HYGIENE IN RELATION TO SOCIAL WORK. (3).

A course primarily for students in the School of Public Administration who are working toward a degree or a certificate in social work. Particular emphasis will be given to the place of the social worker in mental hygiene; feeble-mindedness, psychoses, and minor mental aberrations in relation to social work; and ways in which a social worker may be a factor in mental hygiene. *Three hours a week, winter quarter.* Professor Crane.

145. ABNORMAL PSYCHOLOGY: FEEBLE-MINDEDNESS (Psychology 145). (5). (Arts and Sciences).

146. ABNORMAL PSYCHOLOGY: PSYCHONEUROSES AND PSYCHOSES (Psychology 146). (5). (Arts and Sciences).

151. ELEMENTS OF POLITICAL SCIENCE (Political Science 151). (5). (Arts and Sciences).

155. PERSONNEL MANAGEMENT (Commerce 155). (5). (School of Commerce).

160. INTRODUCTION TO SOCIAL WORK (Sociology 160). (5). (Arts and Sciences).

Essentially a pre-professional course for social work students, giving a bird's-eye view of the whole field of social work, with a brief discussion of its history, nature, purpose, scope, and present trends, primary emphasis is placed upon methods of treatment of the socially maladjusted, such as the aged poor, the physically handicapped, those suffering from mental disease or deficiency, the delinquent, and the criminal. Special clinics and institutional visits are arranged to supplement classroom work. *Five hours a week, fall or spring quarter.* Professor Sanders.

161. NORTH CAROLINA, 1663-1789 (History 161). (5). (Arts and Sciences).

162. NORTH CAROLINA, 1789-1800 (History 162). (5). (Arts and Sciences).

164. FAMILY CASE WORK. (5).

Discussion of the relation of the individual to the family and the family to the community. The technique of case work and its scientific approach—methods of investigation, interviewing, social evidence, sources, diagnosis, treatment. Class work is supplemented by field work under the supervision of members of the staff of the School of Public Administration. *Five hours a week, winter quarter.* Professor Sanders.

165. ADVANCED FAMILY CASE WORK. (5).

A continuation of course 164, with more intensive study of case work. Class work is supplemented by field work under the supervision of members of the staff of the School of Public Administration. The work in this course includes a minimum of six hours a week supervised field work. *Five hours a week, spring quarter.* Professor Sanders.

166. RESOURCES FOR TREATMENT IN CASE WORK. (5). Prerequisite, Family Case Work, Public Administration 164. (Not open to juniors).

Discussion of resources for treatment in case work with especial emphasis upon public welfare activities in rural and small town areas; includes the study of special facilities for the treatment of various types of cases, the particular social legislation involved, plus the actual working procedure necessary for effective work in the field. The work in this course includes a minimum of six hours supervised field work a week. *Five hours a week, winter quarter.* Mr. Lawrence.

167. ECONOMIC HISTORY OF THE UNITED STATES (History 167). (5). (Arts and Sciences).

168. THE COMMUNITY (Sociology 168). (5). (Arts and Sciences).

170. ECONOMIC STATISTICS (Economics 170). (5). (Arts and Sciences).

173. PLAY AND RECREATION (Sociology 173). (5). (Arts and Sciences).

175. POLITICAL PARTIES. (5). Prerequisite Political Science 51.

History, organization, and policies of major and minor parties; nominating systems; ballot and election laws; party finance; political machines; influence of party upon executive and legislative branches of government. Special emphasis upon the relation of party to administration and to current American politics. Lectures, readings, and reports. *Five hours a week, winter quarter.* Professor _____.

179. GOVERNMENTAL ACCOUNTING (Commerce 179). (5). (School of Commerce).

180. MEDICAL INFORMATION FOR SOCIAL WORKERS. (5). (An elective course primarily for rural social workers).

This is the standard course for social workers and includes treatment, in varying degrees of completeness, of the following topics: public health laws of North Carolina; public health nursing; rural health administration with special reference to North Carolina; state health administration; health administration in the Federal Government; municipl health administration; voluntary health organizations; disaster relief—Red Cross; infancy and maternity hygiene; child hygiene, and school health service; hospitals, clinics, and other medical resources for treatment of indigent cases in North Carolina; acute communicable diseases; major diseases of special interest and concern for social workers; adult hygiene; sanitation. *Seminar, winter quarter.* Dr. Rourk and special lecturers.

181. INFECTION, IMMUNITY, AND SERUM DIAGNOSIS (Bacteriology 233). (5). (School of Medicine).

185. PUBLIC HEALTH LABORATORY METHODS (Bacteriology 235). (5). (School of Medicine).

192. CRIME (Sociology 192). (5). (Arts and Sciences).

Nature and causes of crime; evolution of modern methods of criminal procedure; administration of penal and reformatory institutions; programs for the social treatment of the criminal; the problems of juvenile delinquency. The class work will be supplemented by field trips to criminal courts and penal institutions. *Five hours a week, winter quarter.* Professor Brown.

193. SOCIAL PATHOLOGY. (Sociology 193). (5). (Arts and Sciences).

A survey of the abnormal and pathological aspects of society. Among the problems studied are feeble-mindedness, insanity, physical defectiveness, malnutrition, alcoholism, prostitution, vagrancy, family disorganization. Emphasis is given to methods of treatment by private and public institutions and agencies. Class work is supplemented by field trips to county and state institutions. *Five hours a week, fall quarter.* Professor Brown.

198. JUVENILE DELINQUENCY (Sociology 198). (5). (Arts and Sciences).

This course deals with the diagnosis and treatment of juvenile delinquency from the social worker's viewpoint. Under diagnosis will be taken up the methodology of the social scientists in this field, and the evaluation of the different causative factors of juvenile delinquency. Under treatment will be covered the work of the juvenile court, probation, parole, and institutional care. *Five hours a week, fall quarter.* Professor Sanders.

199. PUBLIC CARE OF CHILDREN. (5).

This course is intended primarily for students who expect to follow social work as a profession. The major part of the course will be devoted to the study of methods and technique of the social agencies engaged in the social

treatment of the different classes of children who stand in need of public care and protection, such as the delinquent child, the dependent or neglected child, the defective child, and children in employment. The latter part of the course will be devoted to a discussion of public responsibility for the welfare of children in general, especially from the standpoint of education, health, and maintenance. *Five hours a week, winter quarter.* Professor Sanders.

Courses for Graduates Only

201. PUBLIC UTILITIES (Law). (4½). (School of Law).

208. SOCIAL PSYCHOLOGY (Psychology 208). (5). (Graduate School).

210. ADMINISTRATIVE LAW (Law). (4½). (School of Law).

212. PUBLIC HEALTH LAW (Law). (Consult School of Law).

215. SOCIAL DEMOGRAPHY (Sociology 215).

255. MUNICIPAL CORPORATIONS (Law). (Consult School of Law).

230. CONSTITUTIONAL LAW (Law). (4½). (School of Law).

235. LEGISLATION (Law). (Consult School of Law).

266. PUBLIC WELFARE ADMINISTRATION. (5).

1. The organization of Public Welfare in the United States. 2. Detailed study of the North Carolina Plan. 3. Office Organization and Administration. *Five hours a week, fall or spring quarter.* Professor Brown.

267. SOCIAL LAWS. (5).

The development of social laws pertaining to important social problems. Special attention to social laws of North Carolina. *Five hours a week, spring quarter.* Professor Brown.

268. SOCIAL WORK ADMINISTRATION. (5).

An analysis of the administration of social agencies, both public and private. Emphasis is placed upon recent trends and developments in this field as indicated by changing terminology and practices; increased expenditures; the new alignment of public and private agencies; advancing professional standards; the growing importance of office organization and management, including personnel, improved techniques and procedures, and the preparation and keeping of records. The administration of agencies in rural areas and in small towns is given special attention. *Five hours a week, spring quarter.* Professor Jocher.

271abc. RURAL SOCIAL PROBLEMS (Rural Social Economics 271abc). (5 each quarter). (Graduate School).

301abc. RURAL ECONOMICS (Rural Social Economics 301abc). (5 each quarter). (Graduate School).

303abc. PROBLEMS IN EDUCATIONAL ADMINISTRATION (Education 303abc). (6). (Graduate School).

305abc. SEMINAR IN COUNTY ADMINISTRATION (Rural Social Economics 305 or Political Science 305). (5 each quarter). (Graduate School).

327. SEMINAR ON THE FAMILY. (5).

The history, purpose and problems of the family with especial attention to social conditions influencing family life and efforts for family conservation. Open to men and women. *Five hours a week, fall quarter.* Professor Groves.

Short Curriculum in Public Health Administration

REQUIRED

77. PUBLIC HEALTH ADMINISTRATION. (3).

Relation of public health problems in municipalities and counties to the state and national organizations. The organization, administraton, and direction of public health activities embracing problems of particular concern to North Carolina. General sanitation and prophylaxis, collection and correlation of vital statistics and proper presentation and handling of same, health work in the public schools and industrial centers, public health campaigns for the eradication of transmissible diseases in man and domestic animals as they are related to man, public responsibility for the relief of undernourished and delinquent children, protection of the water and food supply, health regulations in jails and county homes, the relation of the public health officer to the private practitioner of medicine or dentistry, practical evaluation and interpretation of laboratory science as related to health work, general rural sanitation, and other subjects as outlined in the program of the North Carolina State Board of Health.

Special lectures by recognized Public Health Administrators and practical demonstrations in well organized local health departments form a part of the course. *Three hours a week.* Professor Mangum; Doctors Knox, Stimpson.

83. COUNTY AND MUNICIPAL GOVERNMENT. (5).

A survey of the organization, functions, and operations of county and city governments with special emphasis upon present day problems and conditions. Each student will be expected to give particular attention to his own county and city. *Five hours a week.* Professors Woodhouse and Wager.

ELECTIVE

86. PUBLIC HEALTH LAW. (3).

A study of the exercise by the States of the United States of their police power in the protection of public health, of the interpretation and administration of public health laws by the States and their local governmental units, of the coöperation by the National Government; comparisons with public health policies and administrations of other nations. Assigned readings, reports, and class discussions. *Three hours a week.* Professor Woodhouse.

164. FAMILY CASE WORK. (5). (See Public Administration 164.)

266. PUBLIC WELFARE. (5). (See Public Administration 266.)

267. SOCIAL LAWS. (5). (See Public Administration 267.)
Substitutions in electives may be made with the approval of the Dean.

A statement of credit will be issued by the University for the satisfactory completion of this course.

Advanced and Graduate Work

The Graduate School offers its resources to qualified persons interested in undertaking the investigation of Public Health problems. Such qualified persons may now in certain departments or schools become candidates for graduate degrees with work having a relation to Public Health and Public Health Administration, as in such subjects as Sanitation, Chemistry, Government, Eco-

* The numbers in parenthesis following the descriptive titles indicate the credit values of the courses counted in quarter hours.

nomics, and Public Welfare. In addition, advanced work of a graduate nature may be taken without reference to a degree. Programs of study leading specifically to a degree of Master of Science in Public Health Administration are under consideration. Those interested in graduate opportunities or regulations should apply for information to the Dean of the Graduate School.

Upon the completion of the curriculum, the student will be required to devote three months of field work with a state, county, or municipal Board of Health.

MARCH 25, 1936 NUMBER 305

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE GRADUATE SCHOOL

CATALOGUE ISSUE
1935-1936

Announcements for the Session
1936-1937

THE UNIVERSITY OF NORTH CAROLINA PRESS
CHAPEL HILL, N. C.

CALENDAR FOR 1936

JANUARY

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CALENDAR FOR 1937

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CATALOGUE OF EVENTS

SESSION, 1936-1937

1936	
June 7-9	*Sunday through Tuesday.* Commencement Exercises.
June 11-July 22	Summer Session, First Term.
July 23-August 29	Summer Session, Second Term.
Sept. 17	*Thursday.* Registration for the fall quarter.
Sept. 18	*Friday.* Class work for the fall quarter begins.
Oct. 2	*Friday.* General Meeting of Graduate Students and Faculty, 8 p. m., Smith Building. Last day for submitting applications for admission to candidacy for the Ph.D. degree at the June Commencement of 1937.
Oct. 12	*Monday.* University Day.
Nov. 2	*Monday.* Students desiring to take either or both of the examinations for reading knowledge of German and French (or examinations in other languages) should register in the Graduate Office by this date.
Nov. 14	*Saturday.* The examination for reading knowledge of German for candidates for higher degrees will be held at 9:30 a.m. in Saunders 109.
Nov. 21	*Saturday.* The examination for reading knowledge of French for candidates for higher degrees will be held at 9:30 a.m. in Murphey 314.
Nov. 25	*Wednesday.* Thanksgiving Recess begins (1:00 p.m.).
Nov. 30	*Monday.* Thanksgiving Recess ends (8:30 a.m.).
Dec. 10-19	*Thursday to 1 p.m. Saturday of following week.* Registration for winter quarter.
Dec. 15-19	*Tuesday through Saturday (1:00 p.m.).* Examinations for the fall quarter.
Dec. 19 (afternoon)-Dec. 30	Christmas Recess.
Dec. 31	*Thursday.* Registration of new students.
1937	
Jan. 1	*Friday.* Class work for the winter quarter begins.
Jan. 11	*Monday.* Last day for submitting applications for admission to candidacy for the master's degree at the June Commencement of 1937.
Mar. 5-13	*Friday to 1:00 p.m. Saturday of following week.* Registration for the spring quarter.
Mar. 9-13	*Tuesday through Saturday (1:00 p.m.).* Examinations for the winter quarter.
Mar. 15	*Monday.* Registration of new students.
Mar. 16	*Tuesday.* Class work for the spring quarter begins.

Mar. 17	*Wednesday.* Students desiring to take either or both examinations for reading knowledge of German and French (or examinations in other languages) should register in the Graduate Office by this date.
Mar. 27	*Saturday.* The examination for reading knowledge of German for candidates for higher degrees will be held at 9:30 a.m. in Saunders 109.
April 3	*Saturday.* The examination for reading knowledge of French for candidates for higher degrees will be held at 9:30 a.m. in Murphey 314. Last day for submitting applications for admission to candidacy for the master's degree at the August Commencement of 1937.
April 11-18	*Sunday through Sunday.* Spring Recess.
April 24	*Saturday.* Last day for submitting doctoral dissertations.
May 1	*Saturday.* Written examinations for the Ph.D. degree may not be taken after this date. Last day for submitting theses for the master's degree.
May 8	*Saturday.* Written examinations for the master's degree may not be taken after this date.
May 31-June 4	*Monday through Friday.* Examinations for the spring quarter.
June 6-8	*Sunday through Tuesday.* Commencement Exercises.

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OFFICERS OF ADMINISTRATION

THE CONSOLIDATED UNIVERSITY

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President.*
Charles Thomas Woollen, *Controller.*

THE UNIVERSITY

Robert Burton House, A.M., *Dean of Administration.*
Livingston Bertram Rogerson, *Assistant Controller.*
Allan Wilson Hobbs, Ph.D., *Chairman* pro tempore *of the Faculty.*
Thomas James Wilson, Jr., Ph.D., *Registrar and Dean of Admissions.*
Robert Bingham Downs, M.S., *Librarian.*
Francis Foster Bradshaw, Ph.D., *Dean of Students.*
Mrs. Marvin Hendrix Stacy, *Adviser to Women.*
Robert Allison Fetzer, B.S., M.A., *Director of Athletics.*
Julius Algernon Warren, *Treasurer and Bursar.*
Ben Husbands, A.B., *Associate Registrar.*
George Kenneth Grant Henry, Ph.D., *Assistant Registrar.*
Matt Lee Thompson, S.B.Comm., *Auditor.*
Walter Reece Berryhill, A.B., M.D., *University Physician.*
Edward McGowan Hedgpeth, A.B., M.D., *Assistant University Physician.*

THE GRADUATE SCHOOL

William Whatley Pierson, Ph.D., *Dean.*
Margaret White Graves, *Executive Secretary.*

THE ADMINISTRATIVE BOARD

William deBerniere MacNider, M.D., Sc.D., LL.D., *Kenan Professor of Pharmacology.*
William Chambers Coker, Ph.D., LL.D., *Kenan Professor of Botany.*
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Edward Mack, Jr., Ph.D., *Smith Professor of Chemistry.*
Edgar Wallace Knight, Ph.D., *Kenan Professor of Education.*
Gustave Adolphus Harrer, Ph.D., *Kenan Professor of Latin.*
John Brooks Woosley, Ph.D., *Professor of Economics.*
Howard Washington Odum, Ph.D., LL.D., *Kenan Professor of Sociology.*
George Coffin Taylor, Ph.D., *Kenan Professor of English.*
*Herman Glenn Baity, Sc.D., *Professor of Sanitary and Municipal Engineering and Dean of the School of Engineering.*

*Absent on leave, 1935-1936.

THE GRADUATE FACULTY (1935-1936)

HENRY HORACE WILLIAMS, A.M., B.D., *Kenan Professor of Philosophy.*

HENRY VANPETERS WILSON, Ph.D., *Kenan Professor of Zoölogy.*

CHARLES STAPLES MANGUM, A.B., M.D., *Professor of Anatomy and Dean of the Medical School.*

MARCUS CICERO STEPHENS NOBLE, Pd.D., *Kenan Professor Emeritus of Pedagogy.*

ISAAC HALL MANNING, M.D., *Professor of Physiology.*

*GEORGE HOWE, Ph.D., *Professor of the Latin Language and Literature.*

**NATHAN WILSON WALKER, A.B., Ed.M., *Professor of Secondary Education.*

WILLIAM DEBERNIERE MACNIDER, M.D., Sc.D., LL.D., *Kenan Professor of Pharmacology.*

WILLIAM CHAMBERS COKER, Ph.D., LL.D., *Kenan Professor of Botany.*

ARCHIBALD HENDERSON, Ph.D., D.C.L., LL.D., Litt.D., *Kenan Professor of Mathematics.*

HENRY MCGILBERT WAGSTAFF, Ph.D., *Professor of History.*

WILLIAM MORTON DEY, Ph.D., *Kenan Professor of the Romance Languages and Literatures.*

***ALVIN SAWYER WHEELER, Ph.D., *Professor of Organic Chemistry.*

JAMES BELL BULLITT, A.M., M.D., *Professor of Pathology.*

DUDLEY DEWITT CARROLL, M.A., *Professor of Economics and Dean of the School of Commerce.*

FREDERICK HENRY KOCH, A.M., Litt.D., *Kenan Professor of Dramatic Literature.*

JOHN EMERY LEAR, E.E., *Professor of Electrical Engineering.*

EDGAR WALLACE KNIGHT, Ph.D., *Kenan Professor of Education and Director of the Summer Session of the Consolidated University.*

WILLIAM FREDERICK PROUTY, Ph.D., *Professor of Stratigraphic Geology.*

HOWARD WASHINGTON ODUM, Ph.D., LL.D., *Kenan Professor of Sociology and Director of the Institute for Research in Social Science.*

WILLIAM STANLEY BERNARD, A.M., *Professor of Greek.*

JOHN MANNING BOOKER, Ph.D., *Professor of English.*

THOMAS FELIX HICKERSON, S.B., A.M., *Professor of Structural Engineering.*

WILLIAM WHATLEY PIERSON, Ph.D., *Professor of History and Political Science and Dean of the Graduate School.*

JOHN FREDERICK DASHIELL, Ph.D., *Kenan Professor of Psychology.*

STURGIS ELLENO LEAVITT, Ph.D., *Professor of Spanish.*

KENT JAMES BROWN, Ph.D., *Professor of German.*

ROBERT ERVIN COKER, Ph.D., *Professor of Zoölogy.*

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*Absent on leave, 1935-1936. Died June 22, 1936.
**Absent on leave, 1935-1936. Died February 13, 1936.
***Absent on leave, 1935-1936.

Marion Rex Trabue, Ph.D., *Professor of Educational Administration and Director of Education in the Consolidated University.*
Erle Ewart Peacock, A.B., M.B.A., C.P.A., *Professor of Accounting.*
Harry Wolven Crane, Ph.D., *Professor of Psychology.*
Arthur Melville Jordan, Ph.D., *Professor of Educational Psychology.*
John Wayne Lasley, Jr., Ph.D., *Professor of Pure Mathematics.*
Allan Wilson Hobbs, Ph.D., *Professor of Applied Mathematics and Dean of the College of Arts and Sciences.*
Wesley Critz George, Ph.D., *Professor of Histology and Embryology.*
Otto Stuhlman, Jr., Ph.D., *Professor of Physics.*
Gustave Adolphus Harrer, Ph.D., *Kenan Professor of Latin.*
Erich Walter Zimmermann, Ph.D., *Kenan Professor of Economics.*
George Coffin Taylor, Ph.D., *Kenan Professor of English.*
William John McKee, Ph.D., *Professor of Education in Extension Teaching.*
Edward James Woodhouse, B.A., LL.B., *Professor of Political Science and Public Administration.*
Elmer George Hoefer, M.E., *Professor of Mechanical Engineering.*
William Flint Thrall, Ph.D., *Professor of English.*
*Urban Tigner Holmes, Jr., Ph.D., *Professor of Romance Philology.*
Mitchell Bennett Garrett, Ph.D., *Professor of Modern European History.*
Frank Kenneth Cameron, Ph.D., *Professor of Chemistry.*
Ernest Rutherford Groves, A.B., B.D., *Research Professor of Sociology.*
Harold Dietrich Meyer, A.M., *Professor of Sociology and Supervisor of Field Work.*
English Bagby, Ph.D., *Professor of Psychology.*
Wallace Everette Caldwell, Ph.D., *Professor of Ancient History.*
Henry Roland Totten, Ph.D., *Professor of Botany.*
**Herman Glenn Baity, Sc.D., *Professor of Sanitary and Municipal Engineering and Dean of the School of Engineering.*
James Penrose Harland, Ph.D., *Professor of Archaeology.*
George Raleigh Coffman, Ph.D., *Kenan Professor of English.*
James Talmadge Dobbins, Ph.D., *Professor of Chemistry.*
***Samuel Huntington Hobbs, Jr., Ph.D., *Professor of Rural Social-Economics.*
Daniel Allen MacPherson, Ph.D., *Professor of Bacteriology.*
John Brooks Woosley, Ph.D., *Professor of Economics.*
***Nicholson Barney Adams, Ph.D., *Professor of Spanish.*
****Loren Carey MacKinney, Ph.D., *Professor of Medieval History.*
George Howard, Ph.D., *Professor of Education in Extension Teaching.*

*Absent on leave, fall and winter quarters, 1935-1936. **Absent on leave, 1935-1936.
***Absent on leave, spring quarter, 1936.
****Absent on leave, winter and spring quarters, 1936.

HOWARD RUSSELL HUSE, Ph.D., *Professor of Romance Languages.*
CORYDON PERRY SPRUILL, JR., A.B., B.Litt. (Oxon.), *Professor of Economics and Dean of the General College.*
EDWARD TANKARD BROWNE, Ph.D., *Professor of Mathematics.*
GUSTAV THEODOR SCHWENNING, Ph.D., *Professor of Business Administration.*
GREGORY LANSING PAINE, Ph.D., *Professor of English.*
*CLARENCE HEER, Ph.D., *Research Professor of Economics.*
*THOMAS JACKSON WOOFTER, *Research Professor in the Institute for Research in Social Science.*
JOHN NATHANIEL COUCH, Ph.D., *Professor of Botany.*
FRANCIS FOSTER BRADSHAW, Ph.D., *Dean of Students and Lecturer in Ethics.*
RICHARD J. M. HOBBS, A.B., LL.B., *Professor of Business Law.*
JOHN GROVER BEARD, Ph.G., *Professor of Materia Medica and Dean of the School of Pharmacy.*
HENRY MATTHEW BURLAGE, Ph.D., *Professor of Pharmacy.*
WILLIAM JASPER MILLER, E.E., S.M.E.E., *Professor of Electrical Engineering and Acting-Dean of the School of Engineering.*
ERNEST LLOYD MACKIE, Ph.D., *Professor of Mathematics.*
HARRY DEMERLE WOLF, Ph.D., *Professor of Economics.*
EARL KEITH PLYLER, Ph.D., *Professor of Physics.*
ARTHUR EDWARD RUARK, Ph.D., *Professor of Physics.*
GLEN HAYDON, Ph.D., *Professor of Music.*
HUGH TALMADGE LEFLER, Ph.D., *Professor of History.*
ARTHUR PALMER HUDSON, Ph.D., *Professor of English.*
JOHN CORIDEN LYONS, Ph.D., *Professor of French.*
ALBERT RAY NEWSOME, Ph.D., *Professor of History.*
ADOLF EDUARD ZUCKER, Ph.D., *Professor of German.*
EDWARD MACK, JR., Ph.D., *Smith Professor of Chemistry.*
HENRY BRONSON DEWING, Ph.D., *Visiting Professor of Latin.*
HOWARD KENNEDY BEALE, Ph.D., *Visiting Professor of History.*
HERBERT VON BECKERATH, *Visiting Professor and Lecturer in Social and Economic Theory.*
Y. Z. CHANG, Ph.D., *Visiting Exchange Professor of English.*
DANIEL HOUSTON BUCHANAN, Ph.D., *Professor of Economics.*
*FLETCHER MELVIN GREEN, Ph.D., *Professor of History.*
ARTHUR SIMEON WINSOR, Ph.D., *Associate Professor of Mathematics.*
FLOYD HARRIS EDMISTER, Ph.D., *Associate Professor of Chemistry.*
MALCOLM DEAN TAYLOR, A.B., M.B.A., *Associate Professor of Marketing.*
**ERNST CHRISTIAN PAUL METZENTHIN, Ph.D., *Associate Professor of German.*
WILEY BRITTON SANDERS, Ph.D., *Associate Professor of Public Administration.*
SHIPP GILLESPIE SANDERS, A.M., *Associate Professor of Latin.*

*Absent on leave, 1935-1936.
**Died July 22, 1936.

Joe Burton Linker, Ph.D., *Associate Professor of Mathematics.*
Joseph Merritt Lear, M.A., *Associate Professor of Insurance.*
Almonte Charles Howell, Ph.D., *Associate Professor of English.*
*William Dougald MacMillan III, Ph.D., *Associate Professor of English.*
Milton Sydney Heath, A.M., *Associate Professor of Economics.*
Carleton Estey Preston, Ph.D., *Associate Professor of the Teaching of Science.*
Preston Cook Farrar, M.A., *Associate Professor of the Teaching of English.*
Howard Frederick Munch, A.M., *Associate Professor of the Teaching of Mathematics.*
Roy William Morrison, Ph.D., *Associate Professor of Education in Extension Teaching.*
Ralph McCoy Trimble, C.E., S.M., *Associate Professor of Civil Engineering.*
Charles Dale Beers, Ph.D., *Associate Professor of Zoölogy.*
Keener Chapman Frazer, A.M., *Associate Professor of Political Science.*
Horace Downs Crockford, Ph.D., *Associate Professor of Chemistry.*
Alfred McLaren White, Sc.D., *Associate Professor of Chemical Engineering.*
**Eston Everett Ericson, Ph.D., *Associate Professor of English.*
Gerald Raleigh MacCarthy, Ph.D., *Associate Professor of Geology.*
*Paul Woodford Wager, Ph.D., *Associate Professor of Rural Social-Economics.*
Stephen Albert Emery, Ph.D., *Associate Professor of Philosophy.*
*Wirth Fitch Ferger, Ph.D., *Associate Professor of Economics.*
Ralph Steele Boggs, Ph.D., *Associate Professor of Spanish.*
Roy Melton Brown, Ph.D., *Associate Professor of Public Administration.*
Evan William McChesney, Ph.D., *Associate Professor of Biological Chemistry.*
Guy Benton Johnson, Ph.D., *Research Associate in the Institute for Research in Social Science.*
Rupert Bayless Vance, Ph.D., *Research Associate in the Institute for Research in Social Science.*
Ralph Walton Bost, Ph.D., *Associate Professor of Chemistry.*
Raymond William Adams, Ph.D., *Associate Professor of English.*
Marion Lee Jacobs, M.Sc., *Associate Professor of Pharmaceutical Chemistry.*
Richmond Pugh Bond, Ph.D., *Associate Professor of English.*
Sterling Aubrey Stoudemire, Ph.D., *Associate Professor of Spanish.*
Robert Howard Sherrill, M.A., C.P.A., *Associate Professor of Accounting.*

*Absent on leave, 1935-1936.
**Absent on leave, fall quarter, 1935-1936.

EDWARD MORRIS BERNSTEIN, Ph.D., *Associate Professor of Business Administration.*

MICHAEL ARENDELL HILL, JR., A.M., *Associate Professor of Mathematics.*

WILLIAM SUMNER JENKINS, Ph.D., *Associate Professor of Political Science.*

WILLIAM LÉON WILEY, Ph.D., *Associate Professor of French.*

CHARLES BASKERVILLE ROBSON, Ph.D., *Associate Professor of Political Science.*

*LEE MARSHALL BROOKS, Ph.D., *Associate Professor of Sociology.*

KATHARINE JOCHER, Ph.D., *Research Associate in and Assistant Director of the Institute for Research in Social Science.*

BENJAMIN FRANKLIN SWALIN, Ph.D., *Associate Professor of Music.*

DUDLEY JOHNSTONE COWDEN, Ph.D., *Acting-Associate Professor of Economics.*

JOHN MINOR GWYNN, Ph.D., *Assistant Professor of the Teaching of Latin.*

ROBERT BOIES SHARPE, Ph.D., *Assistant Professor of English.*

VINTON ASBURY HOYLE, Ph.D., *Assistant Professor of Mathematics.*

SAMUEL SELDEN, A.B., *Assistant Professor of English.*

JOHN WARFIELD HUDDLE, Ph.D., *Assistant Professor of Geology.*

EDWIN CARLYLE MARKHAM, Ph.D., *Assistant Professor of Chemistry.*

CARL WILLIAM BORGMANN, *Acting-Assistant Professor of Chemical Engineering.*

JAN PHILIP SCHINHAN, M.A., *Assistant Professor of Music.*

JOHN ARCHIBALD WHEELER, Ph.D., *Assistant Professor of Physics.*

DONALD PAUL COSTELLO, Ph.D., *Assistant Professor of Zoölogy.*

JAMES WILLIAM FESLER, Ph.D., *Acting-Assistant Professor of Political Science.*

ARNOLD KIMSEY KING, Ph.D., *Assistant Professor of the Teaching of History.*

ROBERT WHITE LINKER, Ph.D., *Instructor in French.*

JOHN CHARLES GEYER, M.S.E., *Instructor in Civil Engineering.*

LOUIS OSGOOD KATSOFF, Ph.D., *Instructor in Philosophy.*

WERNER PAUL FRIEDERICH, Ph.D., *Instructor in German.*

JOSEPH EDISON ADAMS, Ph.D., *Instructor in Botany.*

*Absent on leave, 1935-1936.

THE GRADUATE SCHOOL

INTRODUCTION

The Graduate School of the University of North Carolina is a logical outgrowth of the history of the institution, since an interest in research has from the beginning been a part of that history. To foster the spirit of investigation was a fulfillment of the injunction in the Constitution of North Carolina, adopted in 1776, that "all useful learning shall be duly encouraged, and promoted in one or more universities." Chartered in 1789, the University before its formal opening in 1795, by acquiring apparatus by purchase in 1792, manifested its desire to promote scientific research in physics and astronomy. This same desire was evident when President Caldwell was, in 1824, sent by the trustees to Europe to purchase books and additional scientific equipment. It has been stated that this interest "led to the establishment of the first astronomical observatory in the United States, to the first geological survey by public authority in America, and to the first equipment for the teaching of electricity."

Although the limited library facilities in the early days made possible very little research achievement in the humanities, in science the work accomplished won respect in and out of the State. Members of the faculty during the first seventy-five years of the University's history were authors of textbooks and scientific monographs. After 1876 publications of this type became more numerous, and several research societies were established at the University, the proceedings of which were published in the learned journals maintained by the institution. In days of limited equipment and of inadequate income, remote from great libraries and laboratories, working under conditions that would have quenched a spirit less vital, members of the University were, nevertheless, impelled to devote themselves to research. For more than a century, therefore, the spirit of investigation has been a very real element in the life of the University; it has constituted a tradition of rich value from which future work is to derive inspiration and authority.

No formal division of graduate study was established prior to 1876, although a plan for instruction leading so far, at least, as the master's degree was contemplated in the project of General William R. Davie, one of the founders of the University. After the fashion of the day, it was possible for a member of one of the so-called learned professions to obtain a master's degree on the basis of experience and on that of the successful practice of the profession. Advanced work was offered, however, and higher degrees in course were granted. The Catalogue of 1854 laid down a rule for such work.

BEGINNINGS OF GRADUATE WORK

Following the Civil War and during a part of the distressing period of Reconstruction the doors of the University were closed. With the reopening of the institution in 1875, the authorities proceeded almost immediately to establish graduate study as a recognized University enterprise. The Catalogue of 1876 announced that post-graduate courses leading to advanced degrees would be offered. The regulations governing the master's degree were as follows:

> The Master's Degree will be open to any Post-Graduate who has taken the Bachelor's Degree in the same Courses in the University or in any institution whose requirements are equal to our own, provided he shall pass one year in post-graduate studies at the University, shall pass his examinations and present a satisfactory thesis on some subject within the department of study especially pursued.

It will be readily appreciated that in this brief statement were incorporated sound principles. In 1877, the degrees of Master of Arts, Master of Science, and Doctor of Philosophy were announced. They were to be conferred only "upon rigid examinations on prescribed courses." The degrees of Master of Arts and Doctor of Philosophy were awarded under this new system in 1883. In 1885 a further significant step was taken to effect a formal separation of graduate and undergraduate work, and courses open only to graduate students were listed in the fields of constitutional law, political economy, classical languages and literature, English language and literature, French, German, mathematics, chemistry, natural philosophy, geology, botany, and zoölogy.

At about the same time (1883) the impulse to further research at the University gained new strength through the establishment of the Elisha Mitchell Scientific Society. For the first three years the Society published annual volumes of proceedings; afterwards the journal became a quarterly. From the first the society has emphasized original research on the part of professors and advanced students and has been an aid to scientific work at the University. The Philological Club established an annual record of research, called *Studies in Philology,* in 1906. The *James Sprunt Historical Studies,* founded in 1899, gave opportunity for the publication of the results of research in history, particularly in the history of North Carolina.

The establishment of these three learned journals in the fields of science, history, and philology, together with the activities of the research clubs which have held monthly meetings now for many years, afforded a great stimulus to investigation at the University and increased recognition of the importance of graduate work. In 1904 the graduate department was formally organized as a distinct school of the University and the late Professor C. Alphonso Smith was appointed as its first dean.

JOURNALS OF RESEARCH

Five journals devoted to research in different fields of learning are maintained by the University. *The Journal of the Elisha Mitchell Scientific Society,* now in its fifty-second volume, has published a very large number of scientific papers, particularly in chemistry, botany, and zoölogy, and is regarded in this country and abroad as one of the most distinguished journals of its kind. The *James Sprunt Historical Studies,* now in its twenty-second volume, is a series of original papers, chiefly on North Carolina history, contributed by professors and advanced students in the Department of History. *Studies in Philology,* now in its thirty-third volume, originally was limited to the publication of research in philology carried on by members of the language departments at the University. In 1915 it became a quarterly, and now admits to its pages articles by scholars in other universities as well as by members of the language departments of the University. In April of each year it publishes a series of papers dealing with English literature of the sixteenth and seventeenth centuries, called "Elizabethan Studies." The journal is now recognized as one of the foremost American journals of philology. *The North Carolina Law Review* and *Social Forces* were added to the list of research journals published by the University in 1922, and all these journals are now issued by The University of North Carolina Press, established in 1922.

The *University News Letter,* now in its twenty-second year, is devoted to research studies dealing mainly with economic, social, and civic affairs in North Carolina.

THE UNIVERSITY PRESS

In addition to the journals of research, The University of North Carolina Press publishes books and monographs of research, as well as textbooks and general literature. The major purpose of the Press is to give the University standing in the field of publishing commensurate with its standing in the field of teaching and investigation. It also provides, through books as well as through the scholarly journals, for the publication of the results of investigations carried on by members of the faculty and advanced students. But it is by no means limited, in accepting manuscripts, to work submitted by members of the University group. Books of distinction by scholars connected with other institutions may be published by it; thus the Press is a valuable aid in the development of that aspect of the University's service which has to do with the advancement of learning.

THE LIBRARY

The University Library occupies a new building, the first and principal unit of which was completed in July, 1929. This unit, constructed and equipped at a cost of $625,000, has a capacity of half a million books and about a thousand readers, in addition to

work space for the library staff. Special arrangement has been made for graduate students in the provision of 145 carrells in the bookstacks for individual study, and seminar rooms on the third floor for study and discussion.

General Library. The general library contains over 320,000 volumes, constituting one of the largest collections in the South. It has been built up with great care, the purpose being to make of it an effective working library, a laboratory for the use of students in those departments in which research must be carried on mainly by means of books, as well as an instrument contributing to general culture. The collection increases at the rate of from 15,000 to 20,000 volumes a year, through gift and purchase. Notable among the special collections is that of North Caroliniana, which contains several thousand volumes and constitutes the most complete library of North Carolina history and literature in existence; the chemistry collection, which in number of complete sets of American, English, German, French, and Italian periodicals is unequaled in the South; the rural social-economics collection; the English collection, which contains the complete publications of most of the important societies interested in the study of the English language and literature, the C. Alphonso Smith library of Southern literature, the Archibald Henderson collection of American Drama, and the Pendleton King collection; the Nash collection of books relating to romance languages and literature; and the Elisha Mitchell Scientific Society collection, comprising the exchanges received since 1884 from more than two hundred of the leading scientific societies throughout the world. The collection of the Hanes Foundation for the Study of the Origin and Development of the Book comprises over 425 incunabula; a considerable collection of critical apparatus for the study of rare and early books; 500 books illustrating the development of printing from the fifteenth century to the present day; a collection of Babylonian and Sumerian clay tablets, and other materials depicting the development of the written record. The Hunter Collection of Manuscripts and Rare Books contains 100 incunabula and 1,000 manuscripts ranging from the fifteenth to the seventeenth century.

A grant from the General Education Board in 1931 has enabled the Library to acquire a valuable bibliographical collection. Many catalogues of notable libraries, national bibliographies, periodical indexes, subject bibliographies, and monumental sets of source materials were added to the Library's already extensive holdings in this field.

A further grant in 1936 provides for intensive development of research materials in the biological sciences, physics, chemistry, social sciences, and English literature.

Departmental Libraries. The Law Library, containing 37,000 volumes, is in the building occupied by the Law School. It contains material useful to students of history and government. Advanced students also have the privilege of using the valuable manuscripts of

the State Historical Commission and the State Library at Raleigh. The School of Commerce and the Department of Economics maintain a reading room in the general library building adjacent to the bookstack containing relevant books. It receives 320 trade and financial journals, including the leading publications in this field.

The University Library receives about 3,460 periodicals annually. The learned journals which record contemporary research in all the great fields of investigation, such as the sciences, history and economics, philosophy and sociology, classical and modern foreign languages and literatures, and English philology, folklore, and literature, are available. The Library is a member of important philological, bibliographical, and scientific associations, and receives their publications regularly. Bound volumes of most periodicals of permanent worth are available from the beginning of their publication, constituting a working collection of great value to advanced students. The Library also receives the publications of such organizations as the Smithsonian and Carnegie institutions, the Rockefeller Foundation, and the Russell Sage Foundation, and of many universities, including foreign universities, which issue monographs of advanced research. It enjoys the privilege, through an inter-library loan arrangement, of borrowing from other libraries, for the use of graduate students, publications which it does not possess. Through exchange of card catalogues and a daily delivery service, the resources of the Duke University Library are readily available. The Library is the regional depository of the catalogue cards issued by the Library of Congress, and is a depository for United States government documents.

Graduate students are given, on application, cards of admission to the bookstacks so that they may have immediate access to the stores of the library.

THE INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE

The Institute for Research in Social Science was organized in 1924 with the appointment by President Harry Woodburn Chase of a Board of Governors composed of representatives from the fields of history, government, economics, sociology, rural social-economics, publications and library administration, and educational psychology. This Board being flexible, new members being recommended by the Board of Governors and appointed by the President, was later augmented to include three representatives from history and government, two from economics, one from the disciplines already mentioned, to which was added the Dean of the School of Law. In 1933, after the organization of the Consolidated University to include the University at Chapel Hill, The Woman's College at Greensboro, and the State College of Agriculture and Engineering at Raleigh, representatives of these institutions were added to the Board and began functioning in their capacity of general planning and approval of research programs and budgets.

The present plan of organization of the Institute provides for a Director, an Assistant Director with an assignment as Research Associate also, and a central office with an adequate clerical staff through which assistance is rendered to Institute members and faculty members and through which a central coördinating agency has been set up. The research staff of the Institute is composed of full-time research professors, research associates, and research assistants, in addition to part-time assignments made to individuals in accordance with the research programs adopted and followed out from year to year.

The functions of the Institute are threefold. First, to encourage and stimulate research in the social sciences at the University of North Carolina, to discover and develop research personnel, and in particular to map out and plan for a research program through which facilities may be more abundant and coördination and integration more articulate. A second is the specific function of the Board of Governors to plan, legislate, and give general direction to the Institute program. And the third function is assigned to the Director and Assistant Director of the Institute, who, with the President of the University, are authorized to carry on details of administration, to supervise any general research activities and projects coming under the direction of the Institute, and to coöperate with particular faculty members or other directors of specific research projects.

The relation of the Institute to the University is more nearly analogous to the schools and major divisions of the institution than is any other similar organization. Its research professors and research associates have the rank of professors and associate professors in the University with all their privileges and obligations, but with the general allocation of not less than two-thirds time devoted to research with one-third devoted to teaching. The principal sources of financial support have been the Laura Spelman Rockefeller Memorial and the Rockefeller Foundation, with additional funds from other agencies and individuals, with specially allotted funds on occasion, and from the University. There have been substantial returns from the Institute's publications of which some 60,000 copies have been sold.

Types of research aid have extended over a wide range. Due to a "planned" research program for a particular state and regional setting with particular opportunities, one of the first needs was to provide research specialists for certain fields, to give them desirable status, and to provide adequate assistance for them. Closely correlated with this, a second type of research aid is that of research assistants, on annual appointment, whose function it is to aid either research professors and associates or to be assigned to aid other university professors in the prosecution of research projects accepted by the Institute. The duties of these research assistants are clearly differentiated from those of university fellows in that the assistant's task is to help in a particular problem to which he is assigned, as opposed to the principle of the fellowship in which the money is allocated to

the individual to help him in his work. A third type of assistance is that rendered to individual professors in any of the departments of social science in the prosecution of scholarly research or publication.

The studies and materials of the Institute over a ten-year period have been grouped for practical purposes under four main categories, with the following number of titles, either published or in manuscript form, classified according to each division: economic and industrial studies—29 manuscripts and published volumes and 21 published articles; history and regional culture studies—26 and 14; the Negro and folk-regional background—40 and 34; social problems and social policy—67 and 21. The objectives and ideals of the Institute are projected with a view to as much cultural inventory of the state and region as is possible, featuring what might be called a demographic approach, in which the several disciplines would be combined, rather than specializing in the several social science disciplines. If the research staff, over a ten-year period since 1924, be classified according to disciplines, the following is an approximate grouping: economics 17, sociology 14, history and government 8, education 7, rural social-economics 7, law 4, with one or two folk studies assigned in connection with the Department of English.

The policy underlying the general planning and execution of research programs and projects has tended to emphasize, in addition to the state and regional laboratory factors, long-time research, susceptible, however, to units available for shorter-time completion. Although projects are selected with a dominance of state and regional subjects, priority is given to those subjects which would have generic value in both the practical results obtained and the possible methodology which might be evolved.

Additional information and application blanks for appointment to research assistantships may be obtained by writing to the INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE, The University of North Carolina, Chapel Hill, North Carolina.

SITUATION AND GENERAL ADVANTAGES

The University is situated at Chapel Hill, twelve miles from Durham and thirty miles from Raleigh. It may be reached by rail from University Junction, or by one of the bus lines which maintain frequent schedules from Durham. It is near the center of the state, midway between the mountains and the sea.

Several endowed lectureships are maintained by the University. The McNair Lectureship, founded in 1906 by the will of John Calvin McNair, of the class of 1849, provides for an annual series of lectures by visiting scholars of distinction, and for the publication of the lectures in book form. The Weil lectures in American Citizenship, founded by Mr. Sol Weil and Mr. Henry Weil of Goldsboro, were inaugurated by former President William Howard Taft in 1914-1915.

In addition to these special courses and lectureships, a student lecture course provides each year many single lectures by well-known people. Some of these are of scholarly nature; others are popular. There are many entertainments of various kinds under the direction of the University. Notable among these are the Sunday afternoon recitals conducted by the Department of Music, the concerts and recitals by various University musical organizations, and the productions of dramatic work by The Carolina Playmakers. The plays are written by students and are produced by them, under the direction of Professor Koch, at The Playmakers Theatre.

In the various departmental clubs students engaged in work in special fields find opportunity for the discussion of problems of mutual interest. The Graduate Club, an organization directed and controlled by the graduate students for the purpose of discussion of common interests, meets monthly and affords an opportunity for social intercourse and the development of an *esprit de corps* among graduate students. All graduate students are eligible for membership.

UNIVERSITY CONSOLIDATION

By act of the General Assembly of 1931, the University of North Carolina at Chapel Hill, the State College of Agriculture and Engineering at Raleigh, and the North Carolina College for Women at Greensboro were consolidated as the University of North Carolina. One of the objects of this legislation was to effect a coördination and unification of graduate work. The accomplishment of this purpose is in process. Already plans have been perfected enabling the institutions at Raleigh and at Chapel Hill to coöperate in giving graduate instruction in certain fields. A candidate for the degree of Doctor of Philosophy in Botany with a program calling for residence at both institutions has completed the requirements for that degree. It is expected at an early date to establish coöperation in such fields as Zoölogy, Entomology, and Agriculture. Details of these plans will be announced in a special bulletin.

ORGANIZATION OF THE GRADUATE SCHOOL

Work for advanced degrees in the University of North Carolina is under the supervision of the graduate faculty. The immediate direction of the Graduate School is in charge of an administrative board, of which the Dean is chairman, consisting of ten members of the faculty who represent the three divisions under which the courses offered by the graduate faculty are listed.

These divisions, with the departments constituting each, are as follows:

I. *The Division of the Humanities.*

The Departments of Classical Languages and Literatures.
The Department of Dramatic Art.
The Department of English.
The Department of General and Comparative Literature.
The Department of Germanic Languages and Literatures.
The Department of Music.
The Department of Romance Languages and Literatures.

II. *The Division of Philosophy and of Political and Social Sciences.*

The Department of Economics and Commerce.
The Department of Education.
The Department of History.
The Department of Philosophy.
The Department of Political Science.
The Department of Rural Social-Economics.
The Department of Sociology.
The School of Public Administration.

III. *The Division of Mathematics and the Sciences.*

The Department of Anatomy.
The Department of Botany.
The Department of Chemistry.
The Department of Civil Engineering.
The Department of Electrical Engineering.
The Department of Geology.
The Department of Mathematics.
The Department of Pathology and Bacteriology.
The Department of Pharmacology.
The Department of Physics.
The Department of Physiology and Biochemistry.
The Department of Psychology.
The Department of Zoölogy.
The School of Pharmacy.

ADMISSION AND OTHER INFORMATION

Admission

Holders of the bachelor's or master's degree from approved colleges are admitted to the Graduate School upon presentation of official credentials and without examination. If the institution from which the candidate comes is a member of the Association of American

Universities or is recognized on the approved list issued by that Association, no special conditions are imposed, except that the undergraduate record must show the creditable completion of an amount of work in the special field in which the student proposes to continue his work sufficient to constitute an undergraduate major. In case of insufficient preparation, or of transfer to a different department, certain prerequisite courses will be prescribed which do not carry graduate credit.

Students holding degrees from institutions not included in the membership of the Association of American Universities or on its accredited list may be admitted, provisionally, as special students. Such students may qualify as candidates for higher degrees, with the approval of the department and the administrative board, on the satisfactory completion of whatever prerequisite or additional work may be assigned, and after demonstrating, through records in graduate courses taken in one or more quarters of residence in the Graduate School, that they are qualified to do advanced work.

Credit for graduate work to be applied in satisfaction of requirements for the master's degree, not to exceed two full courses, may be transferred to the University of North Carolina from institutions recognized by the Association of American Universities. Such transfer must be recommended by the head of the department in which the student does his major work and is subject to the approval of the administrative board.

Formal application for admission to candidacy for an advanced degree is required. This application may not be filed earlier than the first week of the second quarter of residence. It must be approved, in candidacy for a master's degree, at least five months before the degree is conferred; in the case of the doctorate, at least one academic year in advance. Approval of the application is dependent on the previous work of the student as shown by his undergraduate record; on the record made in the Graduate School prior to the time when the application is filed; on the certification, by the major department, that the student is qualified to continue advanced work, with a program of work prepared in satisfaction of the requirements for the degree; on the presentation of certificates of proficiency in the foreign languages required for the degree; and on the removal of any special conditions imposed by the department or by the administrative board.

It should be noted that this distinction between admission to the Graduate School and admission to candidacy for a degree does not necessarily involve any extension of the time required for the degree. Properly qualified students will register at once, with the approval of the departments interested, for such advanced courses as they wish to take, and all advanced courses completed according to the rules for graduate work will be credited toward the degree.

Fellowships and Other Aids

Twenty-six University fellowships, each with a stipend of $500, are available to graduate students. These fellowships are payable in nine monthly installments, beginning in October of the year for which they are awarded. Holders of these fellowships are expected to perform certain limited services as teachers or laboratory assistants in the department to which they are assigned. This department must be the major department of graduate study, and each holder of a fellowship will be required to pursue advanced courses in the department during his term as fellow.

Fellowships are awarded only to those who present satisfactory records as students and who give promise of being able to carry on advanced work with distinction. Teaching experience is desirable, but is not required.

Fellows are not permitted to hold any other office or position connected with the University, and they may not occupy any position outside the University during the term of the fellowship, or engage in any work for pay without the written permission of the Dean.

Correspondence in regard to the teaching fellowships may be addressed to the Dean or to the head of the department in which the candidate proposes to do his major work. A special form of application, to be secured from the Dean's office, must be filed before March 1. Elections to fellowships will be made by the administrative board of the Graduate School, on nomination by the department to which the fellowship is to be assigned. Since the University is a member of the Association of American Universities, the rules of that Association in regard to fellowships are followed.

Several University scholarships, available to both men and women, are open to candidates in any department represented in the Graduate School.

A limited number of appointments as teaching assistants are also available. The stipend ranges from $450 to $800. They require approximately half-time teaching, the remainder of the time being devoted to advanced study in the department in which the appointment is held. Application for assistantships should be made to the head of the department concerned or to the Dean.

Special Fellowships

In addition, two fellowships—the Graham Kenan Fellowships—carrying stipends of $700 each are open to men and women who wish to have their majors in philosophy; and one, the Ledoux Fellowship, with a stipend of $300, to students with majors in chemistry.

Loan Funds

Each year the Chapel Hill Branch of the American Association of University Women makes available for the use of women graduate students a loan fund of $100. Applications for this fund should be

made to the Dean of the Graduate School. Besides this special loan fund, the general loan funds, announced in the University catalogue, are open to graduate students. Applications, approved by the Dean of the Graduate School, should be made to the officer in charge of student loans.

Fees and Expenses

The tuition in the Graduate School is $25.00 each quarter. Each student not a *bona fide* resident of North Carolina must pay in addition a differential fee of $33.34 for each quarter of residence. Additional incidental fees, not including laboratory fees, amount to $27.20 a quarter.

Room and Board

The Smith Dormitory has been entirely remodeled and provides living quarters and club rooms for fifty-one men graduate students. A dining room is operated in connection with it. The arrangement pertaining to this building is thought of as distinctive. A self-governing and responsible student organization is in control of the management. The opportunity for friendly association is provided. The facilities of the lounge and dining rooms are also available for the social activities of other graduate students. Club and committee meetings and conferences may be held there. Requests for room reservations for the Smith Dormitory should be addressed to Mr. T. H. Evans, Cashier, accompanied by a $5.00 reservation fee. The amount of room rent for the academic year is $90.00 for each person in a double room and $135.00 for a single room. Room rent is payable as follows: $5.00 reservation fee, one-half the balance by September 1st, and the remainder by February 1st.

The University has set apart a building, Archer House, for graduate and professional women students. For information or for reservations in this building, address Mrs. M. H. Stacy, Adviser to Women. The amount of room rent for the academic year is $90.00 for each person in a double room and $112.50 for a single room. The room rent is payable in the same manner as described above with reference to the Smith Dormitory.

In the dining room operated in Smith Dormitory board averages $25.00-$27.00 a month. No dining hall is maintained in Archer House, but boarding houses and cafeterias are easily accessible.

Rooms are also available in town. Board in town costs from $20.00 to $30.00 a month.

The University Year

Four terms, or quarters, of approximately eleven weeks each constitute the University year. In all of these terms graduate courses are offered, and students may register at the beginning of any term. The rules for admission and the requirements for advanced degrees in the Summer Session are the same as in the regular academic year.

The master's degree may ordinarily be attained in three summer quarters or an equivalent amount of time within a period of five years.

General Regulations

The following regulations of the graduate faculty should be observed:

1. Graduate students are subject to the same rules regarding faithfulness in performance of assigned tasks and regarding examinations and credit as students in other departments of the University. But graduate work presupposes a greater amount of time for research in the library or the laboratory; and the student, being more mature, is thrown more upon his own responsibility. For these reasons excessive registration is not permitted. The whole idea of graduate work is comprised in a more intense specialization and therefore more complete investigation than is necessary or wise in undergraduate instruction. The administrative board will not count for credit toward a higher degree work done by students who, in the same session, are doing work toward a higher degree in any other graduate or professional school.

2. Grades for each course completed are reported to the Dean and to the Registrar. These grades are as follows:

Passed, which represents satisfactory work.

Failed, which represents work that is unsatisfactory for graduate credit.

No work falling below the standard represented by the grade of *Passed* is counted for graduate credit. No grade, on a mathematical basis, below 80 will be credited. If, in the judgment of the administrative board, the quality of the work done by any student falls below the standard expected of graduate students, the registration of such a student will be canceled.

3. The unit of work is the course, by which is meant, as a rule, a class meeting five times a week. Half-courses also are offered. In some courses open only to graduate students, such as the seminars and other research courses, the formal class exercises are modified. But all such work is credited in terms of courses and half-courses.

Not more than three courses, or fifteen hours of class attendance, will be permitted. Students of more than one year's standing, candidates for the doctor's degree, are permitted greater latitude with reference to courses for which formal registration is required. Such considerations as the amount of time devoted to research, to work on the doctoral dissertation, and the like, weigh in the estimate of what constitutes full work. But in all such cases detailed reports by the department are required before residence credit is given.

Only work announced as open for graduate credit in this bulletin or the bulletin of the Summer Session may be counted toward the higher degrees.

Work done *in absentia* will not be counted for graduate credit, except that in certain cases approved by the department and by the administrative board, part of the work on the thesis for a higher degree may be done elsewhere, and except, further, that part of the work required for the degree of Doctor of Philosophy may, on recommendation of the major department and with the approval of the administrative board be done at another university. But all such work, even when credited, is subject to examination at the finals required for the degree.

4. Work taken more than five years before the date at which the master's degree is expected may not be used to count for credit toward that degree; and work taken more than ten years before the Ph.D. degree is expected may not be counted for credit toward that degree.

5. Each graduate student works under the direction of a special committee established in the manner hereinafter described. The program and plan of study proposed by each graduate student must be approved by the chairman and by the Dean.

The effort is made to arouse in the mind of the student a feeling that graduate work is not a matter solely of attendance on classes and passing examinations on courses. He must see his work as a whole and in its relations to a department of learning, not as a set of isolated units. In the more intimate personal relations to the advisory committee, too, he finds values impossible in the undergraduate course. He is a member of a small group; instruction is more nearly personal; he becomes acquainted with the method as well as with the content of learning.

THE GRADUATE DEGREES

The degrees under the supervision of the graduate faculty are Master of Arts (A.M.), Master of Science (S.M.), and Doctor of Philosophy (Ph.D.).

1. THE DEGREE OF MASTER OF ARTS

Prerequisites

For the degree of Master of Arts the general prerequisite is the completion of a course leading to the degree of Bachelor of Arts or, occasionally, the degree of Bachelor of Science in a college or university of standard grade. This course should have included special study in the department in which the graduate degree is sought sufficient in extent to constitute a proper preparation for the advanced work expected of candidates for the degree. If the undergraduate preparation has been insufficient, the Graduate School and the department may prescribe certain preliminary courses before recommending a student for admission to candidacy for a higher degree. Such courses do not count for graduate credit, but become requirements for the degrees in addition to the nine courses specified below.

Registration

Nine full courses of advanced character are required for the master's degree. To complete these courses at least three full quarters of residence are required. No course will be counted for the degree unless it appears in this bulletin or is approved by the administrative board. Such courses are of two classes only: those for graduates, and those open to graduates and advanced undergraduates. Courses of this second class are ordinarily open only to students of at least senior standing.

Courses of Study

Of the nine courses offered by candidates for the degree of Master of Arts, six shall constitute the major and three the minor. During the first quarter of residence, these courses will be selected by the heads of departments or by the chairmen of departmental committees on graduate studies. Thereafter the selections shall be made by the student's special advisory committee. These committees, consisting of three professors of the graduate faculty, shall be appointed by the Dean not later than the second quarter of residence. All course selections and study plans are subject to the approval of the administrative board. All courses, both major and minor, may be drawn from a single department, in case the department offers courses which in good graduate practice are regarded as covering more than one field. When drawn from separate departments, six courses (the major) are to be selected from one department, and three (the minor) from one

other. Ordinarily, major and minor courses should be selected from the same division (cf. p. 21). The decision as to choice of courses is determined by what appear to be the interests of the student. Departments and committees, however, will be expected to provide the student with a program of studies having a clearly defined relationship.

Other Requirements

The method of securing admission to candidacy for the degree and the relation of the candidate to his advisory committee are explained under the headings of Admission and of General Regulations.

A reading knowledge of at least one modern foreign language is required of candidates for the master's degree. This knowledge will be tested by a special examination given by the language department concerned, and must be certified to before the student is admitted to candidacy for the degree. (See page 34.)

The Master's Thesis

Besides the completion of advanced courses which constitute a unified plan of study, the fitness of the student for the degree is tested in two ways: by a thesis and by oral and written final examinations. The thesis tests the candidate's knowledge of the method of investigation and his ability to make use of the knowledge he has acquired. The examinations test his knowledge of his special field by directing attention to the field as a whole, as contrasted with the course, which deals with a limited portion of the field.

The subject chosen for the thesis, having been endorsed by the chairman of the student's special committee, must be approved by the administrative board not later than two quarters before the commencement at which the degree is to be awarded. No change in subject or deferring of the time of approval will be permitted unless at least two quarters of residence intervene between the approval of the subject and the conferring of the degree, except that, with the permission of the administrative board, the thesis may be completed by a student not in residence who has satisfied the requirements as to courses. For a statement of the conditions under which such permission may be secured, see the General Regulations.

The subject of the thesis must be connected with the major, must be connected with a course or courses pursued in residence, and may count not to exceed one course. In case the courses offered by the candidate include a seminar, the purpose of which is to give aid in the preparation of the thesis, no credit will be given for the thesis *per se*. The thesis, in order to be approved, must be written in correct English and in scholarly form. It must show independent thought both in its recognition of a clearly defined problem and in its method of treatment. It must show the sources of information and a knowledge of the bibliography of the special field.

The thesis must be presented at least one month before the commencement at which the degree is to be conferred, and in triplicate. All copies must be on paper of prescribed size and quality, and must observe the special rules of form established by the administrative board. A copy of the regulations for the form of theses and abstracts may be obtained on application to the Dean's office. An abstract must be submitted with the thesis; if the thesis is approved and the degree conferred, this abstract will be printed in a special bulletin of the Graduate School annually devoted to reports of research.

Examinations

Candidates for the master's degree are required to pass all examinations in courses at the end of each quarter of residence with the grade specified under the general regulations given above. In addition, two special examinations are required. The first of these, a written examination on the field of the major, is to be set by the student's advisory committee and must be taken not earlier than the first month of the last quarter of residence. The second examination is oral, covering the entire work of the candidate, both major and minor, with special stress on the thesis. The examination is to be conducted by a special committee appointed by the Dean, consisting as a rule of the student's adviser as chairman and at least two other representatives of the major and minor subjects. Formal notice of the time and place for holding this oral examination shall be sent to all officers of professorial rank in the major and minor departments and to the members of the administrative board, and persons so notified may attend the examinations if they desire to do so.

These examinations must satisfy the committee which has charge of them that the candidate possesses such knowledge of his major and minor fields as may reasonably be expected, that he can draw upon his knowledge with promptness and accuracy, and that his thinking is not limited to the separate units represented by his courses.

The special committees on theses and on the examinations will report their recommendations to the Dean at least one week before the end of the last quarter of residence. If the candidate's record in these respects is satisfactory, and if he has complied with all of the requirements for the degree, the Dean will report the student to the faculty for approval and recommendation to the board of trustees.

Commencement

Degrees are conferred at the annual commencement exercises of the University in June and at the close of the Summer Session in August. But a candidate may complete his required work, including examination and submission and acceptance of the thesis, at the end of any quarter or term. A student must be registered in the University in the quarter in which he is to be awarded a degree. If his work has been completed before this time, this requirement may be met by

filling out the registration blanks without registering for specific courses. Attendance at the commencement at which the degree is conferred is required unless the candidate is specially excused by the Dean and the Dean of Administration of the University.

Summary of the Province of the Degree of Master of Arts

The rules and conditions governing the degree of Master of Arts set forth in the preceding paragraphs have certain well-defined aims. The degree is not a research degree in the sense that the candidate in every case is required in the thesis to make an original contribution to knowledge, although such a contribution in the thesis is regarded as the proper fruition of graduate endeavor. It is, however, a research degree so far as the individual student is concerned, since he is engaged in a technical study of a single field of learning, and this study culminates in work upon a single problem, the subject of his thesis, in the solution of which he is required to give evidence of the mastery of graduate methods of investigation. He is concerned with the materials of learning, and with the organization and interpretation of these materials. Since the training is thought of as liberal, as great a latitude is permitted in the selection of courses as is compatible with the idea of a sharply defined field of major interest and with the requirement of interrelationship in the whole plan of study. The object is to make possible for the student a relative mastery of one of the liberal arts and to give him an introduction to critical scholarship and research method. A beginning is made in the training of the specialist; hence the correlation of courses, the oral and written examinations, and the thesis. Since there are many possible combinations of courses, the method of administration provides for personal supervision of a student's work by a special committee.

Development of precision and method in investigation and the cultivation of powers of criticism and evaluation of evidence, together with the enlarged mastery of the subject matter of a defined field, constitute a training of indisputable value to the students who plan to enter the so-called learned professions or business or industry. Research is the way of progress in each activity.

The work outlined above can be done in one year by students whose preparation has been good and by those who devote themselves with application to this more specialized work. But two years are better than one and will yield correspondingly greater results. Especially is this true for young men and women who desire to prepare for high school and college teaching but who, instead of wishing to become active investigators, desire to become thoroughly trained as scholars. Part of their time may be spent in a study of courses and programs, and of methods of instruction applicable to their special subjects. Two years of study of this sort, if put on the right foundation, will give rich results, and in some cases such a course may be more useful than the course which leads to the doctorate. The graduate office and the

administrative board will gladly plan work for the degree of Master of Arts on a two-year basis, and persons who complete such a course with distinction will be specially recommended for teaching positions of the better grade.

2. THE DEGREE OF MASTER OF SCIENCE

Prerequisites and Admission to Candidacy

The degree of Master of Science is offered after the completion of prescribed courses of study in any one of the following departments: chemistry, engineering, commerce, geology, pharmacy, physics, and public administration; by special arrangement in some other scientific departments. The prerequisites for the degree are a Bachelor of Science degree in the department of the major as offered at this institution, or equivalent courses. Before being admitted to candidacy the student must have completed the courses of study for the corresponding bachelor's degree as outlined in the general catalogue.

Course of Study

In general, the requirements in courses are identical with those of the Master of Arts degree: *i.e.*, of the nine courses required, six shall constitute the major and three the minor. The minor, however, must be in a separate department from the major. The thesis, which is required of all candidates for the degree of Master of Science, under certain conditions may be counted for one course credit. The following prescribed courses of study lead to the degree in the field indicated:

I. Master of Science Without Specification of Major Field.

Students holding the degree of B.S. from a standard college may proceed to the degree of S.M. by fulfilling the following requirements: six approved courses in some science (the major), three courses in an allied department (the minor).

II. Master of Science in Chemistry.

Six approved courses from the Department of Chemistry, and three approved courses from a distinct but allied department.

III. Master of Science in Commerce.

Six approved courses from the Department of Commerce, and three approved courses from a distinct but allied department.

IV. Master of Science in Geology.

A major consisting of Geology 304, 305, 306, 307, 308, 309, and three approved courses from a distinct but allied department.

V. Master of Science in Engineering.

In each case the major shall consist of six approved courses from the group listed under the major field, and the minor* of three approved courses from one or two allied departments, exclusive of the major, so distributed that if the minor falls within two departments, the division will be two courses in one and one in the other.

*It is understood that the minors chosen shall form part of a unified program and that students shall enter only such courses as they are qualified to pursue for graduate credit.

A. Master of Science in Chemical Engineering.

Approved majors: Chemical Engineering 291, 292, 293, 391, 392, 393, and additional approved courses in the Department of Chemistry.
Departments in which courses for the minor may be pursued when properly approved: Economics and Commerce; General, Civil, Electrical, and Mechanical Engineering; Geology; Mathematics; and Physics.

B. Master of Science in Civil Engineering.

Four fields of specialization are afforded.

1. Municipal and Sanitary Engineering.
   Approved majors: Civil Engineering 260ab, 265abc, 280a, 290abc, 365abc.
   Departments in which courses for the minor may be pursued when properly approved: Bacteriology; Chemistry; Economics and Commerce; General, Electrical, and Mechanical Engineering; Geology; History; Political Science; Psychology; Sociology; Zoölogy.

2. Highway Engineering.
   Approved majors: Civil Engineering 260abc, 275abc, 360abc, General Engineering 263abc.
   Departments in which courses for the minor may be pursued when properly approved: Chemistry; Economics and Commerce; General, Chemical, and Mechanical Engineering; Geology; History; Political Science; Sociology; Rural Social-Economics.

3. Structural Engineering.
   Approved majors: Civil Engineering 270abc, 275abc, 370abc; General Engineering 236abc, 256abc.
   Departments in which courses for the minor may be pursued when properly approved: Chemistry; Economics and Commerce; General, Chemical, Electrical, and Mechanical Engineering; Geology; Mathematics; Physics.

4. Hydro-electric Engineering.
   Approved majors: Civil Engineering 275abc, 280a, 285ab, 365abc; Electrical Engineering 262a, 272a, 282a, 382abc.
   Departments in which courses for the minor may be pursued when properly approved; Chemistry; Economics and Commerce; General, Chemical, Electrical, and Mechanical Engineering; Geology; History, and Political Science.

C. Master of Science in Electrical Engineering.

Approved majors: Electrical Engineering 262a, 272a, 282a, 382abc.
Departments in which courses for the minor may be pursued when properly approved: Chemistry; Economics and Commerce; General, Chemical, Civil, and Mechanical Engineering; Mathematics; Physics.

D. Master of Science in Mechanical Engineering.

Approved majors: Mechanical Engineering 166a, 176ab, 186ab, 283abc, 288abc; General Engineering 256abc.
Departments in which courses for the minor may be pursued when properly approved: Chemistry; Economics and Commerce; General, Chemical, Civil, and Electrical Engineering; Mathematics; Physics.

VI. MASTER OF SCIENCE IN PHARMACY.
A major in Pharmacy and a minor in an allied science.

VII. MASTER OF SCIENCE IN PHYSICS.
A major in Physics and a minor in an allied science.

VIII. Master of Science in Public Administration.

A major in Public Administration or Public Welfare and a minor in a related department affiliated with the School of Public Administration.

Other Requirements

The requirements regarding reading knowledge of a modern language, thesis, examinations, committees, residence, and conferring of degrees are the same as for the degree of Master of Arts.

Teaching fellows, assistants, and instructors, whose time is partly devoted to service to the University, will be expected to take more than one year to obtain the master's degree. Such students in the Graduate School will not be permitted to carry more than six courses in any one academic year.

3. THE DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is conferred only upon those who have completed, with high distinction, a period of extended study and investigation in a single field of learning during which they have gained control of the materials in the chosen field, have mastered the method of advanced study, and have illustrated this method through a dissertation, the result of independent research, which adds to the sum of human knowledge or presents results that have enduring value. Neither the accumulation of facts, however great in amount, nor the completion of advanced courses, however numerous, can be substituted for this power of independent investigation and the proofs of its possession. While it is true that a well prepared student of good ability may secure the degree upon the completion of three years' study, it should be understood that this time requirement is wholly secondary to other considerations which will be explained in the following paragraphs. In some instances work done in other institutions may be counted toward the degree at the discretion of the committee in charge and the administrative board. (See pp. 21-22.) Under no circumstances will the degree be awarded until the student has been in residence at least three consecutive quarters within a period of twelve months.

Admission

The rules for admission to courses leading to the degree of Doctor of Philosophy, and for registration for courses in the first year of residence are the same as those stated above in the section on the degree of Master of Arts. (See page 27.)

Course of Study

At the time of admission the student should, with the advice of the head of the department or of the chairman of the departmental committee on graduate studies, elect a major field. As soon as a dissertation topic has been chosen and has been approved by the department and the administrative board, a special committee will be appointed,

consisting of the professor under whom the dissertation is to be prepared as chairman and of four other members of the graduate faculty. This committee will prepare the tentative program of the student's study and will guide the research activity. Until the committee is appointed, selection of courses will be in the charge of heads of departments or chairmen of departmental committees on graduate study. The special committee must be appointed before or at the time of the preliminary oral examination. All course selections and study programs are subject to the approval of the Dean and the administrative board of the Graduate School. Committees and departments will be guided by the following principles: (1) there shall be a major in some well-defined and recognized field, a mastery of which shall be the aim of the student and the requirement of the Graduate School. As the student will be held responsible for the whole field, he will be required to take as many courses as may be required by the department concerned and the administrative board. (2) There shall be a minor, designated as such, consisting of six courses. These courses may be drawn from an allied department or from the department of the major. The latter program may be permitted only when the department offers recognized divisions of study other than those included in the accepted major in that department.

The work of the third year, or of such additional years as may be necessary, is primarily concerned with the writing of the dissertation or with special laboratory or research work. The department of the major or the student's special committee, however, may exercise the discretionary power of requiring that additional or supplementary courses be taken.

Teaching fellows, assistants, and instructors will be expected to take more than the minimum period of residence.

Foreign Language Requirements

Each candidate must pass examinations in French and German given under the supervision of the foreign language departments. These examinations will include one general elementary passage of French and of German, and at least two other passages in each language chosen from the field of specialization. The foreign language departments will set three dates each year, one about November 15, one about March 15, and one about July 20, for these examinations. The examination in one of these languages must have been passed prior to admission to candidacy.

The Dissertation

The subject chosen for the dissertation should have been approved by the department at the time of the preliminary oral examination. This topic must be approved by the administrative board before the student is admitted to candidacy for the degree. But work upon the dissertation, such as preliminary bibliographies and the collection of

material, should be begun earlier than this. The dissertation is the fruit of thorough investigation of a definite problem and finds its value in the scholarly and workmanlike manner in which it is presented, in its contribution to learning, and in the mental power which it displays.

The dissertation must be presented, in four typewritten copies, at least six weeks before the commencement at which the candidate expects his degree. It must comply with the rules of form for theses prescribed by the administrative board, and abstracts must be supplied as under the rules for the master's thesis. The special committee, and such other professors as may be appointed by the Dean, shall examine the dissertation, and no dissertation shall be accepted unless it secures the unanimous vote of this committee.

Publication of the dissertation, except by abstract in the graduate bulletin, is not required by the Graduate School. The various journals published by the University afford opportunity for publication, at least in part, and such publication is expected.

Examinations

Not earlier than the end of the second year, and at least one academic year prior to the commencement at which the degree is expected, a preliminary oral examination shall be given by a special committee appointed by the Dean and by all members of the staff of the major and minor departments. This examination shall cover all the work of the two years. No student will be admitted to candidacy for the doctorate until this examination has been passed.

At least four weeks before the end of the period of study a written examination must be passed by the candidate. The field to be covered by this examination shall be determined by the student's special committee.

The final oral examination must take place at least one week before the commencement at which the student is a candidate for the degree. In case the major department so desires, the student may undertake the oral in the major and the minor subjects separately. In no case, however, may a greater time than three months elapse between the two examinations. The committee to have charge of this examination is appointed by the Dean and includes the head of the major department with other members of the major and minor departments as assistants. The date and place of the examination shall be publicly announced, and the examination shall be open to any member of the graduate faculty. The final oral examinations on the major and minor fields may, on approval of the Dean, be separated from the defense of the dissertation.

Candidates whose record in courses, examinations, and dissertation is satisfactory will be reported by the Dean to the faculty for recommendation to the board of trustees.

Commencement

Attendance at the commencement at which the degree is conferred is required, unless the candidate is excused by the Dean and the Dean of Administration of the University.

SUMMARY OF THE REQUIREMENTS FOR HIGHER DEGREES

Master's Degree

1. A bachelor's degree from a recognized institution.
2. A minimum residence period of three quarters. All work credited toward degree must be completed within a period of five years.
3. A reading knowledge of one modern foreign language.
4. Application for admission to candidacy for the master's degree must be filed six months, or two quarters, before the date at which the degree is expected.
5. Nine graduate courses, six of which must be in the department of the major, and three in the department of the minor.
6. A written examination in the field of the major.
7. An oral examination covering the entire field of study.
8. A thesis.

Doctor of Philosophy

1. Admission is the same as for the master's degree.
2. A minimum of three years of graduate study, at least one of which must be at the University of North Carolina.
3. A reading knowledge of French and German.
4. Application for admission to candidacy for the Ph.D. degree must be filed one academic year, or three quarters, before the date at which the degree is expected.
5. A major covering adequately the field of major interest and at least six courses in a minor, which may or may not be in a different department.
6. A preliminary oral examination.
7. A written examination in the field of major interest.
8. An oral examination covering the entire field of study.
9. A dissertation.

COURSES OF INSTRUCTION

Only those members of the various departmental staffs who are concerned in graduate instruction are included in the following statements.

Notes on the Method of Numbering and Counting Courses

A *course* meets five or six times a week; a *half-course* meets three times a week. Two hours of laboratory or field work count as one meeting. The valuation of each course is stated in parenthesis, following the title, in terms of quarter hours of credit. All work is credited toward degrees, either as whole or as half-courses in accordance with the principles stated above.

Courses with a double number are completed in two quarters, and in general credit will not be given until both quarters have been completed.

Courses with three numbers require three quarters to complete, and in general credit will not be given for the work of one or two quarters only.

The letters *a, b,* and *c* refer to the quarter in which a course is offered, as *fall, winter,* and *spring,* respectively.

Courses numbered from 101 to 200 are for advanced undergraduates and graduates, from 201 to 400 for graduates only. Courses numbered 301 to 400 are research courses.

DEPARTMENT OF ANATOMY

Charles Staples Mangum, Wesley Critz George, Professors.
Augustus Steele Rose, Associate Professor.

The following courses are accepted as satisfying requirements for minors in programs of study having majors in certain other sciences.

101. CENTRAL NERVOUS SYSTEM AND ORGANS OF SPECIAL SENSE. (8). Credit in the Graduate School: 1 course.

A special laboratory study of the gross and microscopic anatomy of the cord and brain. Each student is provided with numerous prepared dissections of the human brain and a series of sections through the cord of the brain stem which he studies with the aid of a guide. A human brain is then given to each group of six men and by them dissected in order to correlate and systematize the work already done. A practical examination tests the student's ability to locate the various tracts and nuclei. *Twelve hours a week, spring quarter.* Professor Mangum.

102ab. GENERAL HISTOLOGY AND ORGANOLOGY. (10). Credit in the Graduate School: 1 course.

Includes: (a) Study of the fundamental tissues, followed by (b) the study of the microscopic structure of the organs of the body in connection with an examination of their gross structure. Lectures, demonstrations, and laboratory. *Nine hours a week, fall quarter; six hours a week, winter quarter.* Professor George.

103ab. EMBRYOLOGY. (6). Credit in the Graduate School: ½ course. (a) Lectures and laboratory study of the early processes in the formation of the vertebrate body. (b) Lectures, demonstrations, and laboratory study of human and other mammalian embryos. *Three hours a week, fall quarter; six hours a week, spring quarter.* Professor George.

104. CYTOLOGY AND HISTOGENESIS. (10). Credit in the Graduate School: 1 course.

Those who have completed course 102 or its equivalent will be offered an opportunity to pursue further work in Cytology and Histogenesis. Arrangements for this course may be made with the instructor. Professor George.

106. ADVANCED NEURO-ANATOMY. (9½). Credit in the Graduate School: 1 course. Prerequisite: Neuro-Anatomy.

The brain stem, basal ganglia, and the principal neuron pathways are modelled in plastic clay. Microscopic sections, photographs, and dissections of human brain are used as guides. Special emphasis is placed upon the function of the central nervous system. *Five lecture and nine laboratory hours a week, spring quarter.* Professor Rose.

DEPARTMENT OF BOTANY

WILLIAM CHAMBERS COKER, HENRY ROLAND TOTTEN, JOHN NATHANIEL COUCH, Professors.
JOSEPH EDISON ADAMS, Instructor.

For students well prepared in botany, opportunities are found in teaching, in the scientific work of the United States government and of state institutions, in special work in various phases of the subject such as plant breeding, and with independent institutions. A master's degree in botany should prepare the student for positions in any of these fields. The doctor's degree is open to those who have the opportunity to prepare themselves for the more responsible positions. One teaching fellowship of $500 and several assistantships are open to students qualified to fill them.

Laboratory Equipment

The laboratory facilities are fully up to the standard of similar institutions, and funds are available for the purchase of any additional laboratory apparatus needed by research students in special subjects. Included in the equipment is a greenhouse, 15 feet wide by 80 feet long, which is a great aid in the production of plants for class use and for special research.

The department is prepared to guide students in research, particularly along the following lines: taxonomy and morphology of the lower plants, excluding bacteria; morphology and cytology of any group of plants except bacteria; and the constitution and distribution of the flora of North Carolina.

The library of the department has in the last few years been greatly augmented along the lines of standard classical works of prime importance in research, particularly in the field of mycology. In this field the department library is more complete than that of

any other southern institution. Particular attention has also been given to American publications in botany of historical importance. It contains a majority of the important botanical journals, as well as thousands of valuable books and reprints. The Arboretum is of much value to students in the study of special problems, and the surrounding country is particularly rich in a great variety of interesting plant life. The acquisition, through the generosity of Mr. George Watts Hill, of the famous Ashe Herbarium has greatly enhanced the value of the facilities of the department.

The candidate for the master's degree is at first given work requiring individual initiative, and a part of his work during the course consists of original work, with the preparation of his results in the form of a thesis. Reading knowledge of French or German is required.

Candidates for the degree of Doctor of Philosophy give most of their attention to the preparation of an advanced thesis, and must show ability to handle their subject in an original manner. A part of their work may be done during the summer at biological stations or other institutions, and visits to other libraries may be necessitated for the study of special literature.

Research in Botany has included studies of the flora of the Carolinas, and of the classification and development of both lower and higher fungi. One volume on the trees of North Carolina and another, with illustrations, on the trees of Virginia, North Carolina, South Carolina, Georgia, and northern Florida have appeared. In addition to these, publications on fungi have included four books and numerous monographs of genera.

Courses for Graduates and Advanced Undergraduates

103. STRUCTURE AND CLASSIFICATION OF THE ALGAE. (5). Prerequisite, General Botany.

A study of the morphology and classification of the Algae. Lectures, reports, laboratory and field work. The subject may be continued under the same number for more than one quarter as the subject advances, credit being given for each repetition. *Two lecture or report and six laboratory or field work hours a week, spring quarter. Laboratory fee, $4.00.* Professor Couch.

111, 112, 113, s114. STRUCTURE AND DEVELOPMENT OF THE FUNGI. (5 each quarter). Prerequisite, General Botany.

A study of the morphology of the fungi, with special attention to plant diseases, to the culture and development of the lower fungi, and to the identification of mushrooms. Lectures, reports, laboratory and field work. *Two lecture or report and six laboratory or field trip hours a week, fall, winter, and spring quarters, and in the first term of the Summer Session. Laboratory fee, $4.00 a quarter.* Professor Couch.

122. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE LIVERWORTS. (5). Prerequisite, General Botany.

Two lecture or report and six laboratory or field trip hours a week, winter quarter. Laboratory fee, $4.00. Professors Coker, Couch.

133. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE MOSSES. (5). Prerequisite, General Botany.

Two lecture or report and six laboratory or field trip hours a week, spring quarter. Laboratory fee, $4.00. Professors Coker, Couch.

141. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE FERNS. (5). Prerequisite, General Botany.

Two lecture or report and six laboratory or field trip hours a week, fall quarter. Laboratory fee, $4.00. Professor Coker; Miss Holland.

151, 153, s154. ADVANCED WORK IN THE STRUCTURE AND CLASSIFICATION OF SEED PLANTS. (5 each quarter). Prerequisite, General Botany and Botany 43 or Botany s43.

For each of these courses the student is required to collect, prepare herbarium specimens, and classify two plants each from twenty families of seed plants, with notes on the families and sketches to show the principal characteristics of one plant in each of these families. *One conference a week with the instructor, fall and spring quarters, and the second term of the Summer Session. Laboratory fee, $4.00.* Professor Totten.

157. PLANT ANATOMY. (5). Prerequisite, Botany 41 and 43.

Introduction to developmental anatomy of vascular plants, with some consideration of the phylogenetic aspects of the subject; consideration of and practice in methods of anatomical and cytological microtechnique. *Two lecture or report and six laboratory hours a week, spring quarter.* Mr. Adams.

162. STUDIES IN THE HISTORY OF BOTANY. (5). Prerequisite, two courses in botany.

Readings and reports. This course may continue for more than one year as the subject advances, credit being given for each repetition. *Three hours a week, winter quarter.* Professor Coker; Miss Holland.

Courses for Graduates

211, 212, 213, s214. ADVANCED WORK IN THE HISTOLOGY, MORPHOLOGY, AND PHYSIOLOGY OF THE FUNGI. (5 each quarter).

The student is required to collect and prepare material for the microscopic study of special problems. Theses. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Fall, winter, and spring quarters, and the first term of the Summer Session. Laboratory fee, $4.00 a quarter.* Professors Coker, Couch.

251, 252, 253, s254. MORPHOLOGY OF SEED PLANTS. (5 each quarter.)

Advanced work in the embryology and anatomy of seed plants. The student is required to collect and prepare material for the microscopic study of special problems. Theses. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Fall, winter, and spring quarters, and the second term of the Summer Session. Laboratory fee, $4.00 a quarter.* Professors Coker, Totten.

301, 302, 303. GRADUATE RESEARCH. (5 each quarter).

Original work with thesis under the guidance of the instructor. These courses may cover most of the work of the student for several years, credit being given each quarter in accordance with the work done. *Laboratory fee, $4.00 a quarter.* Professors Coker, Totten, Couch.

DEPARTMENT OF CHEMISTRY

EDWARD MACK, JR., *ALVIN SAWYER WHEELER, FRANK KENNETH CAMERON, JAMES TALMADGE DOBBINS, Professors.

FLOYD HARRIS EDMISTER, HORACE DOWNS CROCKFORD, RALPH WALTON BOST, Associate Professors.

EDWIN C. MARKHAM, Assistant Professor.

*Absent on leave, 1935-1936.

The student who chooses to make chemistry his profession may later wish to enter one of the following branches of the profession: (1) *Teaching in schools, colleges, and universities.* At present the work leading to the degree of S.B. in Chemistry fulfills the requirements of the state, (except for the requirement of the courses in Educational Theory and Practice), but there is a strong tendency towards the requirement of the master's degree for the highest grade of teachers' certificate. For teachers in colleges and universities the work leading to the Ph.D. degree should be taken. (2) *For industrial chemists, consulting chemists, and chemical experts,* at least the S.M. degree and preferably the Ph.D. should be sought. The courses leading to these degrees may also provide thorough training in the allied sciences: physics, geology, mathematics, engineering, and biology, thus enabling the student to become an expert adviser for a corporation in developing and supervising its manufacturing plants, or to act as a consulting chemist in special problems. (3) *The national and state scientific bureaus* employ large numbers of chemists and are continually appealing to the universities for nominations to fill new positions. The better of these positions require candidates with the Ph.D. degree. (4) *Research chemists* are employed by many private manufacturing establishments and by many semi-public research organizations which maintain well-equipped laboratories. In these, investigations are pursued which have for their end the improvement of old methods and processes and the invention of new ones. The proper training for such a career is the work leading to the Ph.D. degree.

The work of a graduate student who specializes in chemistry consists in part in the pursuit of advanced studies along fundamental lines, and in part in the experience of attempting to solve some research problem. The student learns at first hand the point of view and the methods of research chemists.

At the present time a number of lines of investigation are being actively followed in this laboratory. Among these are:

(1) *Inorganic,* rare earth chemistry, x-ray analysis of crystal structure, determination of solubilities.

(2) *Analytical,* methods for detecting poisons, development of microscopical methods, separation of the metals, and methods for the quantitative determination of several elements.

(3) *Organic,* work on cymene, dihydroxynaphthalene, condensation reactions between diketones and semicarbazide and phenylsemicarbazide, Grignard reaction, chemistry of organic sulfur compounds, polymerization, and organic molecule structure and synthesis.

(4) *Physical,* heterogeneous equilibria, phase rule studies, physical constants of organic substances, work bearing on the theory of solutions, mechanism of gas phase reactions, viscosity and diffusion of gases and vapors, porous membranes.

(5) *Industrial,* utilization of sulfur dioxide in the recovery of merchantable phosphates, the hydro-metallurgy of copper, the production and utilization of cotton for cellulose, the removal of traces of iron from commercial grades of salt, the aging of rubber, the recovery of values from alunite, and the utilization of textile and other wastes.

The research experience gained in the graduate years is of inestimable value not only to the student himself but also to the educational institution or to the industry with which he later becomes associated. This is amply verified from the records of the positions held by the graduates of the University. Many have gone into the iron and steel industry; a number into the dye industry, either as supervisors of plant operation or as directors of chemical research. Others have gone into other industries, such as tobacco, corn products, general chemicals, and fertilizers. Several alumni are now in charge of large research projects at public and semi-public institutions.

The Department of Chemistry occupies Venable Hall of Chemistry, named in honor of Doctor Francis P. Venable, who was connected with the department for fifty years. This building has about 55,000 square feet of floor space, mostly of modern factory construction, which with sky-light illumination is admirably adapted for laboratory use. The structure is fireproof. About thirty small individual research laboratories have been provided for the faculty and for graduate students. A very completely equipped shop, with the services of a full-time expert mechanician, and a full-time glass blower, is provided. A convenient supply of liquid air is available.

The chemical library and reading room, which connect with a seminar room where small advanced classes are held, contain many complete sets of the most important chemical periodicals, many books of reference, and a unique collection of books of historical value and interest, amounting altogether to more than 5,000 volumes. An endowment of $5,000, the generous gift of Mildred Cameron Shepard in memory of her father, Paul Cameron, supplements the general fund for the maintenance of the library.

Fellowships and Scholarships

Ledoux Fellowship. This fellowship, awarded annually, is the gift of Dr. A. R. Ledoux of New York. The amount of the fellowship is $300.

Attention is also called to the teaching fellowships open to graduate students who wish to defray part of their expenses by teaching elementary classes.

Some assistantships are also open to graduate students. The duties of the assistants are the preparation for and supervision of laboratory classes in the larger elementary courses, and also the examination of laboratory reports.

Applications for these positions should be directed to the Department of Chemistry not later than March 1 of each year.

Graduate Degrees in Chemistry

The course leading to the degree of S.M. in Chemistry is open to students who have graduated with the degree of S.B. in Chemistry at the University, and to students who have completed the equivalent of the courses as prescribed by the University. The course leading to the degree of S.M. in Chemistry is prescribed by the graduate faculty and consists of a research in one of the branches—inorganic, organic, analytical, industrial, or physical chemistry; of two seminar courses of three quarters each in two of those branches; and of one course of three quarters to be selected from five departments: physics, geology, electrical engineering, civil engineering, mathematics, and biology. The general regulations of the Graduate School govern the work for the Ph.D. degree.

Candidates for the A.M. degree with a major in chemistry must have elected chemistry as a major in the junior and senior years. Prerequisites are Chemistry 31, 41, 42, 61, 162, 181, 182, 183, and any one of the following: Chemistry 151, 171, 91, 92, 163.

Courses for Graduates and Advanced Undergraduates

143. THEORETICAL ANALYTICAL CHEMISTRY. (6). Prerequisite, Chemistry 31, 41, 42.

A detailed study of the reactions of all the common metallic and acidic ions from the standpoint of mass action, solubility product, and oxidation and reduction. This course is designed to give a comprehensive review of inorganic and analytical chemistry. *Six hours a week, spring quarter.* Professor Dobbins.

151. ADVANCED INORGANIC CHEMISTRY.(5). Prerequisite, Chemistry 1-2-3 or 4-5, 31, and one other course in Chemistry.

Selected chapters in inorganic chemistry which may be changed from year to year, to illustrate and demonstrate modern methods of investigation. Private readings and library research in lieu of laboratory. Designed for students preparing to become professional chemists or to enter professions in which chemistry is an essential tool. *Four lectures and a symposium a week, fall quarter.* Professor Cameron.

162. ORGANIC CHEMISTRY. (6). Aromatic Series. Prerequisite, Chemistry 61.

This course does not carry graduate credit for students who have their majors in Chemistry. *Three lecture and six laboratory hours a week, winter or spring quarter. Laboratory fee, $10.00.* Professors Wheeler, Bost.

163. QUALITATIVE ORGANIC ANALYSIS. (6). Prerequisite, Chemistry, 61, 162.

A study of the theory of solubility, homology, class reactions, and the functional groups in organic compounds. Individual substances and complex mixtures are studied. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Professor Bost.

164. CHEMISTRY OF DYESTUFFS. (5). Prerequisite, Chemistry 61, 162.

Lectures and laboratory. (1938 and alternate years.) *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $10.00.* Professors Wheeler, Bost.

165. ADVANCED TOPICS IN ORGANIC CHEMISTRY. (5). Prerequisite, Chemistry 61, 162.

Lectures and laboratory. (1937 and alternate years.) *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $10.00.* Professors Wheeler, Bost.

167, 168. ADVANCED ORGANIC PREPARATIONS, (3 each). Prerequisite, Chemistry 61, 162.

Laboratory course. *Six laboratory hours a week, any two quarters. Laboratory fee, $10.00 a quarter.* Professors Wheeler, Bost.

169. QUANTITATIVE ORGANIC ANALYSIS. (3). Prerequisite, Chemistry 163.

Quantitative determination of carbon, hydrogen, nitrogen, halogens, sulphur, and a few other elements by well established methods. *Six laboratory hours a week, winter or spring quarter. Laboratory fee, $7.00.* Professors Wheeler, Bost.

171. CHEMISTRY OF FOODS. (6). Prerequisite, Chemistry 42, 61.

The composition, digestion, absorption, and metabolism of foods. *Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Professor Bost.

181-182-183. PHYSICAL CHEMISTRY. (6-6-6). Prerequisite, Chemistry 1-2-3 (or 4-5), 31, 41, 42, 61, 162 and satisfactory courses in physics and the calculus.

An introductory study of the properties and behavior of gases, liquids, and crystals; elementary thermodynamics; homogeneous and heterogeneous equilibrium; solution theory; chemical kinetics; elementary principles of electrical conduction, galvanic cells, etc.; photochemistry and atomic structure. *Four lecture and four laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $7.50. a quarter.* Professors Crockford, Mack.

191, 192. CHEMICAL TECHNOLOGY. (6 each). Prerequisite, Chemistry 61, 162, 91, 92.

The methods and economics of the chemical industries. Lectures and laboratory work. *Three lecture and six laboratory hours a week, fall and winter quarters. Laboratory fee, $10.00 a quarter.* Professor Cameron.

Courses for Graduates

231. DETECTION OF POISONS. (6). Prerequisite, Chemistry, 31, 42, 61, 162.

The isolation from extraneous material, identification, and quantitative estimation of small quantities of the common industrial and medicinal poisons. *Three lecture and six laboratory hours a week, winter quarter. Laboratory fee, $10.00.* Professor Dobbins.

241-242-243. ANALYTICAL CHEMISTRY. (9). Prerequisite, Chemistry 41, 42.

Fall, winter, and spring quarters. Professors Dobbins, Markham.

252, 253. HISTORY OF CHEMISTRY. (3 each). Prerequisite, Chemistry 31, 61, 162.

Historical background of chemistry. Biographical sketches of eminent scientists. Development of chemical laws and theories. *Three hours a week, winter and spring quarters.* Professor Edmister.

261-262-263. (9). THEORIES OF ORGANIC CHEMISTRY, ORGANIC REACTIONS, SPECIAL TOPICS. Prerequisite, Chemistry 163.

Fall, winter, and spring quarters. Professors Wheeler, Bost.

281, 282, 283. CHEMICAL THERMODYNAMICS. (3 each). Prerequisite, Chemistry 181, 182, 183.

A study of the chemical thermodynamics with special emphasis on recent developments in this field. *Three hours a week, fall, winter, and spring quarters.* (1936-1937 and alternate years.) Professor Crockford.

284, 285. ELECTROCHEMISTRY. (3 each). Prerequisite, Chemistry 181, 182, 183.

A comprehensive treatment of the electrochemistry of solutions with special emphasis on recent developments in this field. *Three hours a week, fall and winter quarters.* (1937-1938 and alternate years.) Professor Crockford.

286. SPECIAL TOPICS IN PHYSICCAL CHEMISTRY. (3). Prerequisite, Chemistry 181, 182, 183.

Three hours a week, any quarter. Professors Crockford, Mack.

287-288-289. HETEROGENEOUS EQUILIBRIA, PHASE RULE, FILM AND COLLOIDAL PHENOMENA. (9).

Fall, winter, and spring quarters. Professor Cameron.

RESEARCH COURSES.

These courses are intended for applicants for advanced degrees. Laboratory work with frequent conferences with the professor and reference to the literature relating to the subject of research. The subject of research must be assigned or approved by the professor. A student may spend part or all of his time in research. *Laboratory fee, $10.00 a course.*

341. ANALYTICAL CHEMISTRY. (5 or more).
Professors Dobbins, Markham.

351. INORGANIC CHEMISTRY. (5 or more.).
Professor Edmister.

361. ORGANIC CHEMISTRY. (5 or more).
Professors Wheeler, Bost, Mack.

381. PHYSICAL CHEMISTRY. (5 or more).
Professors Cameron, Crockford, Mack.

391. INDUSTRIAL CHEMISTRY. (5 or more).
Professor Cameron.

DEPARTMENTS OF CLASSICAL LANGUAGES AND LITERATURES

*George Howe, William Stanly Bernard, Gustave Adolphus Harrer, James Penrose Harland, Professors.
Henry Bronson Dewing, Visiting Professor.
Shipp Gillespie Sanders, Associate Professor.

Graduate work in the Departments of Classical Languages and Literatures is designed to meet the needs of three classes of students: (1) those who intend by intensive study and research to specialize in the classics; (2) those who are teachers or who are preparing to teach; (3) those who desire a knowledge of the classical civilizations for cultural purposes.

1. Intensive study and research are made possible through advanced lecture courses, seminars, a well-equipped library, and facilities for exchange of books with libraries of other large universities. Also for each language a fund is provided for the purchase of books for specialized advanced study. The departments have their own seminar

*Absent on leave, 1935-1936. Died June 22, 1936.

room in the central library, which is well equipped with standard editions; books of reference, such as Pauly-Wissowa, Daremberg-Saglio, Müller's *Handbuch, Corpus Inscriptionum Latinarium, Thesaurus Linguae Latinae, Oxyrhynchus Papyri,* and numerous others; and complete sets of journals, including: *The Classical Journal, The Classical Weekly, Studies in Philology, Classical Philology, American Journal of Philology, American Journal of Archeology, Journal of Hellenic Studies, Journal of Roman Studies, The Classical Review, The Year's Work in Classical Studies; Hermes, Glotta, Philologische Wochenschrift, Jahresbericht der Klassischen Altertumswissenshaft, Philologus, Rheinisches Museum, Revue de Philologie, Notizie degli Scavi, Speculum, L'année Epigraphique, Supplementum Epigraphicum, The Classical Quarterly.*

2. In view of the demand for well-trained teachers in secondary schools, courses are offered designed in content and method to meet this demand. Such prospective teachers should apply for the master's degree with Latin as their major subject.

3. The department aims also to coöperate with the other language departments in the University in making available for culture and comparative work in literature the great literatures of the world. To this end there are offered courses in Greek and Latin literature which do not require ability to read either language in the original. Such courses are designed to place emphasis on aspects of the Greek and Latin genius, forms of literature created and perpetuated, and their permanent contribution to western civilization. Such courses may be elected as part of a major for the degree of Master of Arts in the Department of Comparative Literature; and as a minor, or part of a major, in other departments.

Requirements for Advanced Degrees

At present an advanced degree may be taken in either Greek or Latin, or in both, with one language as the major and the other as the minor field of study. The minor may be chosen from other related fields, such as ancient history, English, or a modern foreign language. Students whose major is in either of the two languages will probably be required to take certain courses in the history of the literature of Greece and Rome, and may be required, if the department thinks necessary, to take work in ancient history.

Requirements for advanced degrees are stated in general on pages 27-36 of this catalogue. Exact prescription of courses can be determined only upon a knowledge of the needs of the individual applicant, but candidates for the Ph.D. in Latin who have not studied Greek will be required to take some elementary work in the Greek language.

The departments regularly offer courses in the Summer Session.

The Departments in the recent past have centered their researches in the fields of Latin literature—particularly the poetry of the first century B. C. and the historical writings—of Roman political institutions and Roman epigraphy, and of classical art and archaeology.

GREEK

Courses for Graduates and Advanced Undergraduates

112. HOMER: ADVANCED COURSE. (5). Prerequisite, Greek 11-12-13.
Rapid reading of the Odyssey with Homeric Study. *Five hours a week, one quarter, on application.* Professor Harland or Professor Bernard.

153-154. GREEK DRAMA: ADVANCED COURSE. (10). Prerequisite, Greek 53.
An extended reading and study of the Greek drama, with lectures on the origin, history, and structure of the drama. *Five hours a week, two quarters, on application.* Professor Bernard or Professor Sanders.

158. THE GREEK NEW TESTAMENT. (5). Prerequisite, Greek 58.
The Acts of the Apostles: study of grammar and diction and comparison with English versions; the Gospels, with selections from the Epistles; the principles of textual criticism, sources and history of the Greek text and the versions. *Five hours a week, one quarter, on application.* Professor Bernard.

171. GREEK HISTORY. (5). Prerequisite, Greek 71.
Selections from Thucydides will be read and the history of Athens and Sparta will be reviewed with a view to explaining the underlying causes of the Peloponnesian War. *Five hours a week, winter quarter, on application.* Professor Harland.

Courses for Graduates

201-202-203. SYNTAX OF THE GREEK LANGUAGE FROM HOMER TO THE NEW TESTAMENT. (15).
Facility in reading the literature in the Greek dialects. Ionic, Attic, and Alexandrian, and in German is requisite. *Five hours a week, three quarters, on application.* Professor Bernard.

213. HELLENIC LITERATURE AND ITS HISTORICAL SETTING. (5).
In a survey of the History of Hellenic Literature, selections from representative authors of each period will be read in the original. This reading will be supplemented by reports on important writers and works of each period. *Five hours a week, one quarter, on application.* Professor Harland.

301-302-303. GREEK SEMINAR. (15).
This course is devoted to the study in detail of particular authors or periods in Greek literature, the subject matter varying from year to year. It calls for wide reading in the Greek authors selected and in the critical literature concerning them, with oral and written reports. Lectures and conferences. Professors Bernard, Harland, Sanders.

(For additional courses see under Courses Requiring no Knowledge of the Greek or Latin Languages, pages 48-49, and under General and Comparative Literature. Attention is called also to courses in Comparative Philology offered by the Department of German.)

LATIN

Courses for Graduates and Advanced Undergraduates

101. ROMAN HISTORICAL LIITERATURE. (5). Prerequisite, Latin 21-22-23.
A study of the structure, purposes, and methods of the most significant works. Translation and reading in English from the literature, reports, lectures. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Harrer.

102. ROMAN DRAMATIC LITERATURE. (5). Prerequisite, Latin 21-22-23.

A study of the development of Latin comedy and tragedy. Reading of selected plays. The course alternates with course 101. (1937 and alternate years.) *Five hours a week, fall quarter.* Professor Harrer.

103. PROSE WRITINGS OF THE REPUBLIC. (5). Prerequisite, Latin 21-22-23.

An account of the development of prose literature from Cato to Cicero, with special studies of certain types and readings from the chief works. *Five hours a week, winter quarter.* Professor Sanders.

104. CICERO: POLITICAL CAREER AND WORKS. (5). Prerequisite, Latin 21-22-23.

A study of Cicero, as statesman and advocate. Selected letters, as well as a number of orations, will be read. *Five hours a week, spring quarter.* Professor Harrer.

Courses for Graduates

202. LATIN EPIGRAPHY. (5).

The aim of the course is to acquire facility in the deciphering and translating of inscriptions, and to study in detail a selection of significant inscriptions and their values in the field of Roman studies. *Five hours a week, fall quarter.* Professor Harrer.

203. LATIN PALEOGRAPHY. (5).

The aim of the course is a study of the more important scripts, practice in decipherment, and the methods of textual criticism. *Five hours a week, one quarter, on application.* Professor Harrer.

301, 302, 303. LATIN SEMINAR. (5 each).

The course in each quarter is devoted to the study in detail of a particular author or period in Roman literature, the choice of subject being determined, as far as possible, by the needs of the group. Typical subjects of recent years have been: Catullus, Cicero, Vergil, Horace, The Elegists, The Augustan Age, Suetonius, Tacitus, Post-Augustan Prose, Post-Augustan Poetry, etc. *Five hours a week, fall, winter, and spring quarters.* Professors Howe, Harrer.

310. THESIS COURSE. (5).

This course is conducted by conferences as arranged with individual students. *Every quarter.* Professors Howe, Harrer.

(For additional courses see below under Courses Requiring no Knowledge of the Greek or the Latin Language and Courses in General and Comparative Literature. Attention is called also to courses in Comparative Philology offered by the Department of German.)

Courses Requiring no Knowledge of the Greek or Latin Language

The following courses in classical literature and civilization are especially designed to supply the necessary foundation for those who, without a reading knowledge of the ancient languages, wish a broader culture, or plan to specialize in modern literature, history, art, etc. When properly approved, they will be allowed to count as part of the major requirement in other departments. They may be taken also to satisfy the requirement of a minor in literature. (See also under General and Comparative Literature.)

Courses for Graduates and Advanced Undergraduates

103. (113). HOMER, THE ILIAD AND ODYSSEY. (5).

Epic as a literary form; the Iliad and Odyssey; origins, the Mycenaean civilization, literary characteristics, comparison of the chief English translations, comparison with Norse, Latin, Italian, and English epic. *Five hours a week, winter quarter.* Professor Bernard.

107. (155). GREEK DRAMATIC LITERATURE. (5).
A course designed to embrace the origin, development, technique, and content of Greek drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress. *Five hours a week, spring quarter.* Professor Bernard.

112. (111). VERGIL, THE AENEID. (5).
The history of the Latin Epic; detailed study of the *Æneid. Five hours a week, spring quarter.* Professor Howe.

115. (112). THE POETRY OF OVID. (5).
The reading in English of the complete works of Ovid; special critical studies in the *Metamorphoses.* The influence of Ovid on later writers. *Five hours a week, fall quarter.* Professor Howe.

197. GREEK AND ROMAN ART. (5).
A course which aims to set forth the universal æsthetic principles as illustrated in the masterpieces of Greek and Roman art, with discussions of the æsthetic theories of the classical writers. *Five hours a week, one quarter, on application.* Professor Bernard.

Course for Graduates

211. ARCHAEOLOGY. TOPOGRAPHY OF ATHENS, OLYMPIA, AND DELPHI. (5). Prerequisite: Ability to read Greek desirable.
A study of the material and artistic remains at these sites and of their historical, literary, and mythological associations. *Five hours week, one quarter, on application.* Professor Harland.

DEPARTMENT OF DRAMATIC ART

Frederick Henry Koch, Paul Elliott Green, Professors.
Samuel Selden, Assistant Professor.

The Department of Dramatic Art offers to graduate students work in the following fields: (1) playwriting and experimental production; (2) training in play directing and staging methods; (3) research in the field of modern drama, theatre arts, and theatre history.

Intensive study and research in all phases of dramatic art are made effective through advanced lecture courses, the seminar, and supervised practice work in theatre technique. The library resources for the student of dramatic literature and theatre history include a large and constantly increasing collection of critical and technical works, and plays of all periods. Of special interest to students of the American drama is the Archibald Henderson Collection of nearly two thousand volumes and the recently acquired Roland Holt Theatre Collection of books, playbills, scrapbooks, photographs, and press reviews—a chronicle of the New York stage from 1881 to 1931. A Dramatic Museum, established this year, provides for the Holt Collection and other interesting theatre objects.

A quarterly journal, *The Carolina Play-Book,* now in its ninth volume, serves as a record of the growth of native American drama. Four volumes of *Carolina Folk-Plays* written by students in the University courses in playwriting have already been published and a fifth volume, *American Folk-Plays,* is now in preparation.

Practical training for the student of playwriting, acting, directing, and technical work is provided by the production unit of the Department of Dramatic Art, The Carolina Playmakers. The Playmakers Theatre building and Scene Shop furnish ample opportunity for the student to test theory with practice, in both experimental and public performance.

Requirements for Advanced Degrees

Candidates for the Master of Arts degree in the Department of Dramatic Art must have completed, before admission to candidacy, the undergraduate major in Dramatic Art at the University of North Carolina, or its equivalent. The candidate must take nine courses, six of which will be considered the major and three the minor. The six courses in the major must be taken in the Department of Dramatic Art in accordance with the following plan: three "courses" in Playwriting (155, 156, 157), or one "course" in Playwriting, one "course" in Play Direction, Advanced, (201), and one "course" in Staging Methods (202); one "course" in Nineteenth Century Drama (149), or History of the Theatre (160), or Comparative Drama (161), or Modern Drama (162); one Dramatic Seminar (301); and a thesis. The student may satisfy the thesis requirement in either of the following ways: (1) offering an original full-length play, acceptably presented; (2) writing a thesis in the field of modern drama, theatre history or theatre arts.*

Courses for Graduates and Advanced Undergraduates

149. NINETEENTH-CENTURY DRAMA. (5).

A study of representative English and American plays in the nineteenth century. (Not offered in 1936-1937). *Five hours a week, spring quarter.* Professor Koch.

The following three courses in Playwriting (155, 156, 157) should be taken consecutively. If it is not practicable to do this, however, the student may, with the consent of the instructor, take any one of the three courses offered. Under exceptional circumstances a student may repeat one or more of the courses for credit. Special permission is necessary for this privilege.

155. PLAYWRITING. (5).

A practical course in playwriting and experimental production. In all three of the playwriting courses emphasis is placed on the native tradition and present-day life of the region with which the student is most familiar. The student is expected to direct experimental productions of plays written in the course. The best of these are given public production by The Carolina Playmakers. *Four hours lecture and two hours practical work a week, fall quarter. Fee for experimental production, $2.00.* Professor Koch, assisted by Professor Selden; Professor Green, lecturer and consultant.

156. PLAYWRITING. (5).

The principles of dramatic construction and practice in the writing and production of one-act plays. Experimental and public productions. *Four hours lecture and two hours practical work a week, winter quarter. Fee for experimental production, $2.00.* Professor Koch, assisted by Professor Selden; Professor Green, lecturer and consultant.

*Electives for the Graduate Minor, to be chosen from one or the other group of the following:

I. From the Department of English: 113, 114, 133, 203, 231-232.

II. From the Department of Comparative Literature: 121-122, 123, 155, 159, 165, 185.

157. PLAYWRITING. (5).
Practice in writing one-act and full-length plays. Experimental and public productions by The Carolina Playmakers. *Four hours lecture and two hours practical work a week, spring quarter. Fee for experimental production, $2.00.* Professor Koch, assisted by Professor Selden; Professor Green, lecturer and consultant.

160. HISTORY OF THE THEATRE. (5).
A course designed to give the student a view of the institution of the theatre in its beginnings and development. The emphasis is on those features of the theatre which are not dealt with in the more literary courses—the changing forms of the theatre building, scenery, lighting, the audience, the actor, the relation of the theatre to social conditions, and the place of the theatre in the history of civilization. (Not offered in 1936-1937). *Five hours a week, winter quarter.* Professors Koch, Selden, and others.

161. COMPARATIVE DRAMA. (5).
A general survey of the drama and the theatre from Aeschylus to Ibsen. The development of dramatic literature is studied through representative plays (in translation) of the leading European dramatists. *Five hours a week, winter quarter.* Professor Koch.

162. MODERN DRAMA. (5).
A study of representative plays of the modern period, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. *Five hours a week, spring quarter.* Professor Koch.

Courses for Graduates

201. PLAY DIRECTING, ADVANCED. (5). Prerequisite, Dramatic Art 61, 62, 63, or equivalent training in acting or directing.
Theory and practice in the training of actors and the preparation of plays for experimental and public performance. *Five hours a week, winter quarter. Fee for materials, $2.00.* Professor Selden.

202. STAGING METHODS. (5). Prerequisite, Dramatic Art 64, 65, or equivalent training in technical practice.
Individual instruction in the designing and planning of stage scenery and lighting, and in theatre engineering. *Five hours a week, spring quarter. Fee for materials, $2.00.* Professor Selden.

301. SEMINAR IN DRAMATIC ART. (5).
Bibliography, methodology, and research in dramatic literature, theatrical history, and staging methods. Required of all candidates for the A.M. degree. *Five hours a week, fall quarter.* Professors Koch, Coffman (of the Department of English), Selden.

DEPARTMENT OF ECONOMICS AND COMMERCE

Dudley DeWitt Carroll, *Claudius Temple Murchison, Erle Ewart Peacock, Erich Walter Zimmermann, John Brooks Woosley, Corydon Perry Spruill, Gustav Theodor Schwenning, **Clarence Heer, Richard J. M. Hobbs, Harry DeMerle Wolf, Herbert von Beckerath, Daniel Houston Buchanan, Professors.

Malcolm Dean Taylor, Joseph Merritt Lear, Milton Sydney Heath, **Wirth Fitch Ferger, Robert Howard Sherrill, Edward Morris Bernstein, Associate Professors. Dudley Johnstone Cowden, Acting Associate Professor.

*Absent on leave, 1935-1936 and 1936-1937.
**Absent on leave, 1935-1936.

The Department of Economics and Commerce offers three advanced degrees: the Master of Science in Commerce; the Master of Arts in Economics; and the Doctor of Philosophy in Economics. The Master of Science in Commerce is designed for prospective teachers of business subjects and for those students who desire graduate training for more specialized and advanced positions in trade and industry. Candidates for this degree may major in accounting, finance, personnel and industrial management, insurance, foreign trade, or marketing. The minor of three courses must be taken in economics or in some closely related discipline.

Graduate study in economics, viewed pragmatically, is provided to meet the needs of those who wish to engage in college and university teaching or to pursue research work for governmental or private agencies. It also offers to those not primarily interested in the field as a profession an opportunity to pursue more critically and comprehensively their investigation of the economic forces and processes which so vitally condition individual and social behavior.

Students seeking advanced degrees in economics may have their major in one of the following fields: economic theory and history; labor and industrial management; finance; foreign trade; marketing and transportation; and economic statistics and accounting. The minor may be taken within the department or in an allied department. Candidates for either the Master's or the Doctor's degrees are required to have a working familiarity with statistical and accounting methods and techniques comparable to the content of Economics 170 and Commerce 71, respectively. In addition, candidates for the degree of Doctor of Philosophy are required to take Economics 251-252-253, or its equivalent. The other course requirements depend upon the fields of special interest, but a coherent and logical program must be followed.

Necessarily, the courses in economics and commerce are interdependent and closely affiliated. Differentiation may hardly be said to rest on principles and practices since both theory and practice form the content of commerce and economics courses. The distinction lies rather in approach and emphasis. The two divisions of the department are supplementary, and graduate students are advised to select their courses in such a manner as to obtain a functionally unified program of study, irrespective of catalog designations. Doctoral candidates will be urged, and in specific instances required, to supplement their work in economics with courses in the other social sciences.

The facilities for graduate study are reasonably ample. For some years the department has devoted itself painstakingly to the accumulation of library materials commensurate with the requirements of advanced study. As a result, a special library collection of 30,000 volumes and 275 trade journals, scholarly publications, and statistical services supplement the general library facilities. The collection is especially strong in the fields of labor, money and banking, public finance, economic theory, marketing, management, and foreign trade. Attention should also be called to the unique library facilities of other

departments, especially in Southern history, state statutes and documents, which will be of value to graduate students in economics. A separate reading room in charge of a specialist in this field of library administration is maintained for students in the department. Individual carrells are available to graduate students in the main stack room of the library.

The department is housed in Bingham Hall, which was designed especially for its needs. Laboratory equipment and space are quite adequate for research activities.

In collaboration with the Southern Economic Association the University of North Carolina publishes *The Southern Economic Journal,* a quarterly publication primarily designed to promote research in Southern economic problems as well as to provide a medium for the creative work of Southern economists. Acceptable material from graduate students will be welcomed.

The department has two fellowships and a limited number of assistantships which are available to graduate students.

ECONOMICS

Courses for Graduates and Advanced Undergraduates

121. RISK AND RISK-BEARING (5). Prerequisite, Economics 21-22-23 or equivalent.

A study of the risk element in modern industry together with the measures which have been devised to meet it. This course should precede the study of insurance. *Five hours a week, fall quarter.* Professor Lear.

124. PRINCIPLES OF MARKETING. (5). Prerequisite, Economics 21-22-23 or equivalent.

A critical study of marketing organization and operation. Among the topics discussed are: methods of approach to the study of marketing; the marketing of farm products; the marketing functions; trade channels; direct marketing; the services performed by brokers, sales agents, auctions, wholesalers, and different types of retailers; commodity exchanges and future trading; price policies; price maintenance; brand policies; market research; problems relating to marketing costs; and scientific marketing management. Emphasis is placed on recent developments in retailing such as the growth in economic importance of centrally owned chain store organizations and coöperative chains. In the study of the marketing of farm products special attention is given to coöperative marketing, and the work of the Federal Farm Board and the Farm Credit Administration is examined critically. Study is made likewise of other governmental bureaus which influence marketing. *Five hours a week, fall quarter.* Professor Taylor.

131. ECONOMIC THEORY. (5). Prerequisite, Economics 21-22-23 or equivalent.

The primary purpose of this course is the development of greater facility upon the part of the student in the use of economic theory as a tool in the solution of economic and business problems. Supplementary thereto, the assumptions and limitations of economic theory are analyzed. Specific problems are employed to test the utility of theory as a framework of thought for their solution. Required of all seniors in the School of Commerce and in all majors in Economics. *Five hours a week, every quarter.* Professor Spruill.

137. ECONOMIC DEVELOPMENTS IN THE ORIENT SINCE 1800. (5).

A study of the foundations of economic life and modern economic developments in Japan, China, and India. Special attention is given to the rise of modern industry, commerce, and finance, and to the effect of these upon the indigenous cultures. *Five hours a week, spring quarter.* Professor Buchanan.

141. PUBLIC FINANCE. (5). Prerequisite, Economics 21-22-23 or equivalent.

A general study of government business covering the principles involved in public revenues and expenditures—local, state, and national; a treatment of the just distribution of public charges and their incidence; and a study of the growth and organization of modern tax systems. *Five hours a week, fall quarter.* Professor Heer.

142. FISCAL ORGANIZATION AND ADMINISTRATION. (5). Prerequisite, Economics 141.

The first part of the course deals with contemporary types of state and local financial organization. The relative advantages of centralized as contrasted with decentralized types are discussed. The second part of the course deals with financial methods and procedure. The topics covered include budgets and budget making, budgeting and auditing control, treasury management, debt administration, assessment procedure, purchasing, and state administrative control over local finances. *Five hours a week, winter quarter.* Professor Heer.

143. PROBLEMS IN PUBLIC FINANCE. (5). Prerequisite, Economics 141.

An advanced critical study of certain present problems in government finance. *Five hours a week, spring quarter.* Professor Heer.

145-146. PROBLEMS OF MODERN INDUSTRIALISM. (5). Prerequisite, Economics 21-22-23 or equivalent.

This course first surveys technological efficiency and market organization as limiting factors in the determination by industrial management of the rational requirements of plant organization. External political and social forces are then introduced into the complex to show modern industrialism as a phase of mature capitalism. Against this background of modern capitalism, the issues and trends of public policy with respect to economic organization in America and Europe are compared and appraised. *Fall and winter quarters 1936-1937.* Professor von Beckerath.

151. TRANSPORTATION. (5). Prerequisite, Economics 21-22-23 or equivalent.

A general study, from the historical and critical points of view, of railway transportation in such representative countries as Great Britain, France, Italy, Germany, and the United States; with some consideration of passenger and freight traffic and rates, and the State's relation to railways. *Five hours a week, fall quarter.* Professor Bernstein.

153. PUBLIC UTILITIES. (5). Prerequisite, Economics 21-22-23 or equivalent.

The first part of the course is historical and descriptive, covering the physical and technical development and the corporate and financial set-up of public service corporations other than railroads, including electric light and power companies, telegraph companies, street railways, motor vehicle carriers, and similar utilities. The second part of the course deals with methods of protecting the public interest in utility services. Among the topics considered are: the legal bases of utility regulation, state and federal regulatory agencies, valuation and rate of return, principles of rate making, capitalization and security regulation, the problem of the holding company, and public ownership. *Five hours a week, spring quarter.* Professor Heer.

161. THEORY OF INTERNATIONAL TRADE. (5). Prerequisite, Economics 21-22-23 or equivalent.

In this course international trade is viewed from the standpoint of the political economist, emphasizing the social aspects. After an historical study of the past and a critical analysis of the present foreign commerce of the United States and principal competitors, an effort is made to apply to a survey of our foreign markets and of our foreign sources of supply the general principles of economic theory in so far as they pertain to international trade. Following this the payment balances of this country and of other leading countries engaged in world commerce are critically studied. Finally, the most important theories of international trade are reviewed in the light of historical development. *Five hours a week, fall quarter.* Professor Zimmermann.

165. COMMERCIAL POLICY OF MODERN NATIONS. (5). Prerequisite, Economics 161.

After a general survey of international commercial policy up to the close of the Napoleonic Wars, a more detailed comparative study of the commercial policy of the leading nations during the last hundred years is made. The following countries are included: United States, Great Britain, France, Germany, Russia, Italy, Canada, Argentina, and India. Special attention is given to tariff problems, colonial policies, and to imperialism. The present world resources situation and its probable effect on future commercial policy is appraised. (Alternates with Commerce 169; will be given in 1937.) *Five hours a week, spring quarter.* Professor Zimmermann.

170. ECONOMIC STATISTICS. (5). Prerequisite, Mathematics 1-2-3, Economics 21-22-23 or equivalent.

This course is designed to give a critical understanding of the more important processes of statistical technique used by economists and business men, and found in current discussions of economic matters. Among the topics included are graphic presentation, averages, index numbers, the cyclical analysis of time series, and simple correlation. The emphasis in the study is put on the meaning, significance, and limitations of statistical methods in economics, rather than on techniques of computation and mathematical proofs of the methods. The laboratory work is designed to give practice in the use of the processes studied, together with an interpretation of the results found. *Three lecture and four laboratory hours a week, every quarter. Laboratory fee, $2.00.* Professor Cowden.

171. ADVANCED ECONOMIC STATISTICS. (5). Prerequisites, Economics 170 or its equivalent .

This course is designed to give the student the ability to use some of the more exact and more technical tools of statistical method than can be considered in the elementary course, such as curvilinear trends for time series, changing seasonal variation, and multiple correlation. Acquaintance with practical work and the current literature in statistics is sought through required reading and class reports on recent statistical studies. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $1.00.* Professor Cowden.

185. BUSINESS CYCLES. (5). Prerequisite, Economics 21-22-23 or equivalent and 81.

A study of the alternating periods of depression and prosperity. The underlying causes of panics and crises. Fluctuations in prices, trade volume, and physical production. *Five hours a week, winter or spring quarter.* Professor Bernstein.

191. AN INTRODUCTION TO THE LABOR PROBLEM. (5). Prerequisite, Economics 21-22-23 or equivalent.

To the extent that the competitive wage system fails (a) to provide for the laborer an adequate basis for a decent living and (b) to draw from him

the services he ought to render to industry, there appears to be a "labor problem." The purpose of this course is to make an analytic survey of the modern labor problem in its major aspects, such as unemployment, low wages, industrial accidents and diseases, overstrain and superannuation, and the status of the worker in industrial society. Trade unionism and the labor movement and intervention by the State in behalf of the worker and social methods of coping with the problems of labor are also surveyed. *Five hours a week, fall or winter quarters.* Professor Wolf.

192. LABOR AND SOCIAL CONTROL. (5). Prerequisite, Economics 191.

An advanced course in social methods of coping with labor problems. These fall roughly into three classes: (a) self-help on the part of the workers, which embraces trade unionism, labor political activity, and consumers' coöperation; (b) employers' policies, such as welfare work and paternalism, profit-sharing, and company unionism; and (c) intervention by public authority, as through labor legislation, conciliation and arbitration, and judicial limitation of private property rights. In so far as possible the various topics will be studied in terms of the Southern labor situation. *Five hours a week, spring quarter.* Professor Wolf.

195. THEORIES OF ECONOMIC REFORM. (5). Prerequisite, Economics 21-22-23 or equivalent.

A critical analysis of the leading proposals for reform in the present economic system, including Socialism, Bolshevism, Single Tax, and Social Insurance. *Five hours a week, every quarter.* Professor Carroll.

197. GOVERNMENT AND BUSINESS. (5). Prerequisite, Economics 21-22-23 or equivalent.

This course deals with the control exercised by government over business operations. Emphasis is placed on legal control. Attention in some detail is given to trade regulations, public utilities, and the operation of the federal anti-trust laws. The course includes a study of the control of business by the states under their police powers and by the federal government under the interstate commerce and taxing provisions of the federal constitution. Governmental participation in business is treated to a limited extent as is the attitude of government toward labor. The emergency legislation of 1933 and the extensive governmental activities thereunder are studied. *Five hours a week, spring quarter.* Professor Hobbs.

Courses for Graduates

211. ADVANCED COMMODITY ECONOMICS. (5). Prerequisite, Economics 11, 21-22-23, or equivalent.

The demand and supply conditions of selected commodities representing certain types are studied. The institutional factors affecting these conditions are critically examined with special reference to price behavior. *Five hours a week, winter quarter.* Professor Zimmermann.

224. THE ECONOMICS OF MARKETING. (5). Prerequisite, Economics 124 or equivalent.

This course will develop the economic principles underlying marketing and show the inter-relations of the various marketing activities. Selected topics, such as the following, will be discussed critically: the government and marketing, the economics of chain store distribution, agricultural coöperation, the retailer and consumer coöperative movements, marketing research studies, scientific marketing management, resale price maintenance, the costs of distribution and waste and inefficiency in marketing. The topics considered will vary from year to year depending on the interests of the class. *Five hours a week, spring quarter.* Professor Taylor.

235. ECONOMIC DEVELOPMENTS IN THE OCCIDENT BEFORE 1750. (5). Prerequisite, graduate standing.

A study of the economic aspects of European life with special emphasis upon the manorial system and its decline, the guild system, the "putting out" system, the growth of money and credit economy, and the Commercial Revolution. *Five hours a week, fall quarter.* Professor Buchanan.

236. ECONOMIC DEVELOPMENTS IN THE OCCIDENT SINCE 1750. (5). Prerequisite, graduate standing.

A study of the growth of modern economy in the Western world. Special emphasis is placed upon the rise and spread of the factory system and the changes which have accompanied it in agriculture, transportation, money and banking, trade, and the condition of the labor class. *Five hours a week, winter quarter.* Professor Buchanan.

251-252-253. ADVANCED ECONOMIC THEORY. (15). Prerequisite, Economics 21-22-23 or equivalent.

A survey of economic theory from the standpoint of the evolution of modern industrial society. The three courses will not only include a review of the works of the leading economic writers, but will also summarize the principal physical, psychic, and social factors which have shaped economic theory and economic institutions. *Five hours a week, fall, winter, and spring quarters.* Professor Heath.

257-258-259. THE CRISIS IN MODERN CAPITALISM. (12). Prerequisite, Economics 21-22-23 or equivalent.

This course, on the basis of an analysis of the political, legal, and economic structure of modern capitalism, deals in a comparative fashion with the efforts of industrial countries to cope with the present crisis of the capitalistic system by way of constitutional, political, and economic reforms. (Alternates with Economics 145-146; will be given in 1937-1938.) *Four hours a week fall, winter, and spring quarters.* Professor von Beckerath.

281. MONEY, PRICES, AND FOREIGN EXCHANGE. (5). Prerequisite, Economics 81-82 or equivalent.

A critical consideration of the various monetary standards, the theories of the value of money, the inter-relationships of exchange rates and prices, recent monetary policies, and proposals for monetary reform. Emphasis is given to monetary history and contemporary experience in considering the validity of monetary theory. *Five hours a week, spring quarter.* Professor Bernstein.

282. COMMERCIAL AND CENTRAL BANKING. (5). Prerequisite, Economics 81-82 or equivalent.

A study of the structure, functions, and operations of commercial and central banks with special reference to the Federal Reserve System. The policies of central banks as they relate to the volume of physical production, the national income, and the price level are critically examined. The theories on which these policies are predicated are analyzed. *Five hours a week, fall quarter.* Professor Woosley.

291. LABOR ECONOMICS. (5). Prerequisite, Economics 191 or equivalent.

An intensive and critical analysis of certain phases of labor problems, among them: current wage theory; the position of the laborer in modern society; wage differentials; the effects of machinery on wages, hours, and work opportunities; the problem of unemployment; the economics of collective bargaining. *Five hours a week, spring quarter.* Professor Wolf.

301abc. SEMINAR IN ECONOMICS. (With thesis 5). Prerequisite, Economics 21-22-23 or equivalent and 81-82.

A general introduction to methods of advanced study. Some phase of economic activity in harmony with the interests of the members of the seminar

is selected for consideration. Methods of work and content receive equal emphasis. *Two hours a week, fall, winter, and spring quarters.* Professor Heath (Chairman).

324. SEMINAR IN MARKETING. (5 each quarter).
This course is available for graduate students who wish to make an intensive study of special topics in marketing or to do original research work. Individual conferences are arranged with the instructor. *Equivalent of five hours a week, fall, winter, or spring quarter.* Professor Taylor.

341. RESEARCH COURSE IN PUBLIC FINANCE. (5 each quarter).
The changing form and distribution of wealth and income together with the expanding conceptions of governmental services make imperative a constant reëxamination of fiscal problems. The scope of operations and the magnitude of revenues and expenditures emphasize the importance of administrative efficiency. Critical studies in this field are carried on under the supervision of the professor in charge. *Equivalent of five hours a week, fall, winter, or spring quarter.* Professor Heer.

NOTE: Registration for this course must be approved by the professor in charge.

351. ECONOMIC HISTORY AND THEORY. (5 each quarter).
This course is a seminar dealing with the relations between economic history and economic theory. Theories of economic history are analyzed with the purpose of appraising their utility in the realm of general theoretical analysis. Currently used thought tools, or so-called theories, are tested as to their usefulness in the light of historical trends. So far as the materials to be studied are concerned, about equal emphasis will be placed upon historical data and contemporary thought. *Equivalent of five hours a week, fall, winter, or spring quarter.* Professor Heath.

361. INTERNATIONAL ECONOMIC RELATIONS. (5 each quarter).
An increasing share of the economic life of mankind is being lifted out of the sphere of local and national activities, and is being subjected to world-wide influences. This tendency affects not only those business interests of ours directly engaged in foreign trade, but in general reacts upon our political position as a world-power, and materially influences our domestic and economic life.

The aim of this course is to provide graduate students interested in world economics the opportunity of pursuing advanced research along such lines as these: the movement of world prices; international commodity price control; the world food problem; the population question; advancing industrialization and future supply of raw materials; problems of international law affecting economic activities; foreign investments; commercial treaties; colonial policy, etc. *Equivalent of five hours a week, fall, winter, or spring quarter.* Professor Zimmermann.

NOTE: Registration for this course must be approved by the professor in charge.

371. RESEARCH IN ECONOMIC STATISTICS. (5 each quarter).
This course is designed to allow individual study and research by qualified graduate students in specialized fields of economic statistics, such as business cycle statistical analysis, economic forecasting, price index number problems, regional business indices, commodity demand studies, or the statistical work of business establishments. *Equivalent of five hours a week, fall, winter, or spring quarter.* Professor Cowden.

NOTE: Registration for this course must be approved by the professor in charge.

382. SEMINAR IN PRIVATE FINANCE. (5 each quarter).
The scope of this course will depend on the interests and preparation of the student, but an opportunity will be given for a more advanced study of commercial banking, central banking policies, and the forces operating in the money and capital markets. *Equivalent of five hours a week, fall, winter, or spring quarter.* Professor Woosley.

NOTE: Registration for this course must be approved by the professor in charge.

385. ECONOMIC DYNAMICS. (5 each quarter).
This course focuses upon the changing nature of the modern economic organization. An effort is made to identify the more important of the dynamic elements, and to evaluate the significance of each in the general process of change. Attention is given to the readjustment process and problems of particular industries, as well as to general trade, finance, and social well-being. Topics covered would include consumption behavior, income distribution, capital accumulation, money and credit conditions, new developments in marketing, produuction, transportation. The method of study will be inductive. *Equivalent of five hours a week, fall, winter, or spring quarter.* Professor Bernstein.

NOTE: Registration for this course must be approved by the professor in charge.

391. HUMAN RELATIONS IN INDUSTRY. (5 each quarter).
This course is a seminar in selected topics in labor economics and aims to provide a limited number of graduate students an opportunity of doing critical and constructive work in this field. In view of the fact that there are grave problems connected with the adjustment of the workers to the new industrial and social order that is being developed in the South Atlantic States, a part of the time is usually devoted to this topic. *Equivalent of five hours a week, fall, winter, or spring quarter.* Professor Wolf.

NOTE: Registration for this course must be approved by the professor in charge.

399. SEMINAR. (5).
Individual research in a special field under direction of a member of the department.

COMMERCE

Courses for Graduates and Advanced Undergraduates

121. INSURANCE: LIFE. (5). Prerequisite, Economics 21-22-23 or equivalent.
A study of the principles and technique of life insurance, including disability, accident, and group insurance. Some attention will also be given to the investment operations of insurance companies. *Five hours a week, winter quarter.* Professor Lear.

122. INSURANCE: FIRE, MARINE, BOND, AND TITLE. (5). Prerequisite, Economics 21-22-23 or equivalent.
In this course, an effort is made to consider as far as possible the wide range which the insurance function covers and the probable trend of its future development. The topics noted in the title of the course are studied and as many others as time will permit. *Five hours a week, spring quarter.* Professor Lear.

141. TRAFFIC PROBLEMS. (3). Prerequisite, Economics 151.
A study of current technical problems in the field of transportation and traffic management. (This course will be given only in case as many as five students register for it.) *Three hours a week, winter quarter.* Professor Heath.

151. PRINCIPLES OF INDUSTRIAL MANAGEMENT. (5). Prerequisite, Economics 21-22-23 or equivalent, Commerce 51.

This course covers the problems involved in the construction, equipment, and administration of a manufacturing enterprise. The unit of study is the factory. The subject matter is treated under four heads: the underlying principles of production, the agencies of production, the control of production operations, and the establishment of production standards. *Five hours a week, winter quarter.* Professor Schwenning.

154. INDUSTRIAL MANAGEMENT: THEORIES AND PRACTICES. (3). Prerequisite, Economics 21-22-23 or equivalent, Commerce 51. Open only to selected seniors and graduate students.

A critical examination of the economic, social, and ethical aspects of modern business administration. Current theories of organization and management will be taken up and subjected to careful scientific analysis. Practices will be compared with theories. An attempt will be made to formulate the underlying principles upon which the administration of modern industrial enterprise rests. (Alternates with Commerce 157.) *Three hours a week, winter quarter.* Professor Schwenning.

155. PERSONNEL MANAGEMENT. (5). Prerequisite, Economics 21-22-23 or equivalent, Commerce 51.

A scientific study of the methods of hiring and handling personnel in the various lines of industry. The supply, selection, training, promotion, transfer, and discharge of employees; the computation and significance of labor turnover; housing, educational and recreational facilities; the functions of a personnel department with reference to efficiency, and the maintenance of good will between employees and employers. *Five hours a week, spring quarter.* Professor Schwenning.

157. TIME AND MOTION STUDY. (3). Prerequisite, Economics 21-22-23 or equivalent, Commerce 51-151, or Commerce 51-52-53E. Open only to seniors and graduate students.

A presentation of the elements of time and motion study as a phase of scientific management and as a device used by modern industrial establishments to measure the productive capacity of workers on specific jobs and to set production standards. The course will include a discussion of the following: fundamentals and development of time and motion study; equipment and qualifications of a time study man; collection and tabulation of data; organization of the time study department, etc. Students will be given practice in making times studies and in applying the results. (Alternates with Commerce 154). *Three hours a week, winter quarter.* Professor Schwenning.

161. ADVERTISING. (5). Prerequisite, Economics 21-22-223 or equivalent.

A study of the economics of advertising, the place and function of advertising in business, and the psychological principles applicable to the preparation of advertisements. The chief problems of advertising are discussed from the viewpoint of the executive in charge of marketing who must continually give consideration to what can reasonably be expected from advertising as part of a complete distribution program. Emphasis throughout the course is placed on the ethical aspects of advertising and on the use of research methods in the effective planning and preparation of advertising campaigns. Several outstanding campaigns are studied in detail. Considerable practice is given students in the planning and preparation of advertisements. *Five hours a week, fall or spring quarter. Laboratory fee, $1.00.* Professor Taylor.

163. ADVANCED COURSE IN MARKETING. (5). Prerequisite, Economics 124 or Commerce 61 or 161.

This course is for students who wish to do advanced work in the field of marketing. The particular problems considered vary from year to year depending on the interests of the class. The seminar method is used. *Five hours a week, spring quarter.* Professor Taylor.

165. RETAIL DISTRIBUTION. (5). Prerequisite, Economics 21-22-23 or equivalent.

A critical study is made of the general policies and practices of retail institutions such as unit stores, department stores, specialty stores, chain stores, voluntary chains, and mail order houses; and an attempt is made to develop the principles of retail distribution. Among the general topics considered are: elements of retail profit, types of retail institutions and types of merchandise, store location, store layout and merchandise classification, sales and service policies, merchandising, pricing policies, brand policies, relations with merchandise sources, and organization. Problems and cases form an important part of this course. *Five hours a week, winter quarter.* Professor Taylor.

169. FOREIGN TRADE PRACTICE. (5). Prerequisite, or corequisite, Economics 124.

This course treats of foreign trade as a business profession and serves to prepare for entrance into the field; emphasis throughout is on practical problems.

Part I. The organization of Foreign Trade: export departments; middlemen and their functions; coöperation.

Part II. Methods: direct versus indirect exporting; export campaigns; sales policies.

Part III. Foreign Market Analysis.

Part IV. Paper work and technical procedure in exporting and importing, including foreign trade financing. (Alternates with Economics 165, will be given 1938.) *Five hours a week, spring quarter.* Professor Zimmermann.

171. ADVANCED ACCOUNTING. (5). Prerequisite, Commerce 71-72.

Lectures with laboratory work. Study of accounting problems and forms for special types of business concerns. Accounting for the organization and liquidation of co-partnerships and corporations, for combinations and consolidations, for trustees and receiverships, branch houses, municipalities, and foreign exchange. *Five hours a week, spring quarter. Laboratory fee, $3.00.* Professor Peacock.

172. ACCOUNTING PRACTICE. (6). Prerequisite, Commerce 71 and prerequisite or corequisite, Commerce 72.

A laboratory course. Bookkeeping systems and records for the various industries prevalent in North Carolina are studied and practice sets for each are prepared. A tentative list will include tobacco manufacturing, furniture manufacturing, cotton goods manufacturing, automobile sale agencies and garages, banks in small cities, and municipalities. *Six hours a week, spring quarter. Laboratory fee, $3.00.* Professor Peacock.

173. COST ACCOUNTING. (5). Prerequisite, Commerce 71-72.

Lectures with laboratory work. Methods for collection of data relative to prime costs and a careful analysis of various methods of burden distribution. Application of principles will be made in the laboratory by means of budgets for cost accounting in different classes of enterprise. *Five hours a week, fall quarter. Laboratory fee, $3.00.* Professor Peacock.

175. AUDITING. (5). Prerequisite, Commerce 71-72.

Lectures and problems. Kinds of audits, systems of accounts, methods of conducting audits, and problems in auditing. *Five hours a week, winter quarter. Laboratory fee, $3.00.* Professor Peacock.

177. INCOME TAX PROCEDURE. (5). Prerequisite, Commerce 71-72.

This course consists of a thorough study of both the Federal and State income tax laws and the problems that arise in the making of the various returns. The preparation of the tax returns and claims for refund will be undertaken as laboratory exercises. *Five hours a week, winter quarter. Laboratory fee, $2.00.* Professor Sherrill.

178. C. P. A. PROBLEMS. (3). Prerequisite, Commerce 71-72.
This course deals with the questions and problems given by the different states and the American Institute in their C. P. A. examinations. Typical problems are solved, and solutions prepared by leading accountants of the country are studied. (This course will be given only in case as many as five students register for it.) *Three hours a week, spring quarter.* Professor Peacock.

179. GOVERNMENTAL ACCOUNTING. (5). Prerequisite, Commerce 71-72.
Lectures and laboratory work. A study of Budgeting Accounting and its application to the various governmental units; the differences between Fund Accounting and Commercial Accounting; methods of collecting data recorded in books of original entry; and the preparation of Financial Statements. A survey will be made of systems for educational institutions, and for state, county, and city governments. Laboratory work will consist of practical problems. Field trips will be taken in order to study the system used by the State of North Carolina, the system prepared by the County Government Advisory Commission for counties, and other available systems. *Five hours a week, spring quarter. Laboratory fee, $2.50.* Professor Sherrill.

181. ADVANCED BANKING AND FOREIGN EXCHANGE. (5). Prerequisite, Economics 81-82.
A study of the operation and administration of the commercial banking system. Comparisons with the banking systems of other countries will be made. Federal Reserve policies, and the theories underlying them, will be examined. Attention will also be directed to international banking operations and the forces determining the rates of foreign exchange. *Five hours a week, spring quarter.* Professor Woosley.

191. CORPORATION FINANCE. (5). Prerequisite, Economics 21-22-23 or equivalent, Commerce 51 and 71.
A study of the principles and practice of corporate financing. Among the topics considereed are: the methods of raising permanent capital, problems of current financing, the treatment of earnings, and financial problems incident to expansion and reorganization. Specific problems and reports are employed to illustrate and emphasize the principles involved. *Five hours a week, fall or winter quarter.* Professor Woosley.

195. INVESTMENTS. (5). Prerequisite, Economics 21-22-23 or equivalent, Commerce 71-72, 191.
This course is essentially a laboratory study of corporate securities from the standpoint of the investor. Primary emphasis is placed upon the development of technique and standards of investment analysis. *Five hours a week, spring quarter.* Professor Woosley.

Courses for Graduates

207. THE FUNCTION AND THEORIES OF MANAGEMENT. (5). Prerequisite, Commerce 51 or equivalent.
This course analyzes the function of management in contemporary business organization together with the theories involved in the direction of enterprises. Among the topics considered are: the function of management; the management movement; the utilization of the scientific method in management; the laws of organization; scientific management; and the types and theories of management organization. The subject matter will be considered from both functional and social viewpoints. *Five hours a week, winter quarter.* Professor Schwenning.

301abc. SEMINAR IN COMMERCE. (With thesis 5).
A general introduction to methods of advanced study. Some phase of business activity in harmony with the interests of the members of the seminar

is selected for consideration. Methods of work and content receive about equal emphasis. *Fall, winter, and spring quarters.* Professor ..... (Chairman).

399. SEMINAR. (5 each quarter).
Individual research in a special field under direction of a member of the department.

DEPARTMENT OF EDUCATION

*MARCUS CICERO STEPHENS NOBLE, MARION REX TRABUE, **NATHAN WILSON WALKER, EDGAR WALLACE KNIGHT, ARTHUR MELVILLE JORDAN, WILLIAM JOHN MCKEE, GEORGE HOWARD, JR., Professors.

CARLETON ESTEY PRESTON, HOWARD FREDERICK MUNCH, PRESTON COOKE FARRAR, ROY WILLIAMSON MORRISON, Associate Professors.

JOHN MINOR GWYNN, ***ARNOLD KIMSEY KING, Assistant Professors.

It is the primary function of the Department of Education to train teachers and administrative officers for the public schools, normal schools, teachers' colleges, and departments of education in colleges. This training must include not only an intimate knowledge of subject matter and methods of instruction, but also actual practice and skill in the collection and interpretation of the facts necessary in the intelligent adaptation of sound educationary theory to local needs and to the individual differences of pupils.

As a consequence, there are offered in this department three types of courses: (1) those which present the facts and theories upon which modern education is founded; (2) those which develop the skills and attitudes necessary in the conduct of modern schools; (3) those which aid and stimulate the student in the discovery, interpretation, and improvement of school conditions.

The Department of Education is centralized in the Peabody Building, a gift from the George Peabody Fund, equipped with recitation rooms, offices, laboratories, and a reading and seminar room.

It has entered into active coöperation with the local school board by which the elementary and secondary units of the local school system are open for the use of faculty and students in the department. In like manner the rural schools in Orange County are always available for observation and study by faculty and students. This arrangement includes the Orange County Training School for Negroes.

Courses of both graduate and undergraduate grade are offered in the Summer School and through extension classes, thus making it possible for teachers in service to earn a limited number of credits towards the A.B. or the A.M. degree.

In general the Department of Education strives to interpret and to serve the needs of the public schools of the state in so far as its resources will permit.

*Kenan Professor Emeritus.
**Absent on leave, 1935-1936. Died February 13, 1936.
***Absent on leave, 1935-1936.

Research is carried on in the history of education in the South; in specialized aspects of educational psychology, such as the psychology of discipline, of learning, and of individual differences; in elementary education; in secondary education; and in the various aspects of educational administration and supervision. The research problems on which members of the Department of Education are working have been taken directly from the public educational institutions of the state and section. The problems considered during the past few years have concerned the teachers, the courses of study, the results of instruction, the organization, the administration, and the supervision of elementary, secondary, and collegiate institutions. Special attention has been given recently to the results of instruction in English, to the organization and conduct of secondary schools and teacher-training institutions, and to the history of present conditions in Southern schools.

The Bureau of Educational Research serves as a permanent center for organizing, conducting, and assembling the results of all types of educational research projects. Through this bureau many public school officials and sectional organizations have been stimulated, assisted, and directed in significant investigations of vital educational problems.

Courses for Graduates and Advanced Undergraduates

101 INTRODUCTORY COURSE IN SCHOOL ADMINISTRATION. (5).

This course will consider the most important problems of school administration, especially as these problems bear on the success of the teacher's work. Students without teaching experience, or teachers without knowledge of administrative problems, should not register for the more specialized courses in the field of administration until after completing this course. Textbooks, observations, and discussions. *Five hours a week, fall and summer quarters.* Professor Trabue.

103. INTRODUCTION TO STATISTICAL METHODS. (5). Prerequisite, Education 30 or Psychology 21-22.

The first meetings in this course will consider various methods of collecting data for educational, psychological, social, and economic investigations. The interpretation of data by graphic and mathematical devices will be taught chiefly by examples. Numbering, tabulation, the calculation of averages and variabilities, the transmutation of measures, and correlations will be included. Readings, demonstrations, problems, reports, and critical discussion. *Five hours a week, spring and summer quarters.* Professors Jordan, Trabue.

105. GUIDANCE AND ADMINISTRATION OF PUBLIC SCHOOL PUPILS. (5). Prerequisite, four full courses in education, including one in administration, and two years of successful teaching experience.

This course undertakes not only to acquaint the student with the extensive literature of scientific research in pupil personnel work, but also to develop through actual handling of individual records, reports, and materials as many as possible of the important skills required of the principal in the classification and promotion of pupils, in program making, in organization of pupil activities, in student government, in athletics, etc. *Five hours a week, spring and summer quarters.* Professor McKee.

106. GENERAL PRINCIPLES OF OCCUPATIONAL DIAGNOSIS AND GUIDANCE. (5). Prerequisite, practical experience and at least two years of psychology and education.

This course is designed to provide a broad introduction to this field for graduate students who have had adequate training in general psychology, and some practical experience in business, industry, or a profession. Two fairly distinct groups of students are invited to register for the course: (a) those who plan to become personnel or placement officers in public employment offices, industrial or commercial firms, schools, or colleges; (b) teachers, supervisors, and administrative school officers. *Five hours a week, fall and summer quarters.* Professor Trabue.

142. HISTORICAL FOUNDATIONS OF MODERN EDUCATION. (5).

This course traces the development of some of the more important educational problems of modern times as they have been affected by the social and political facts of history, by the contributions of the leading educational theorists, and by institutional practice. Textbooks, lectures, investigations, and reports. *Five hours a week, winter and summer quarters.* Professor Knight.

143. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES. (History 170.) (5).

The social and educational institutions and practices of the United States are traced through: (a) the period of transplanting of European institutions; (b) the period of modification of institutional life to meet new conditions; and (c) the period of development of a social and an educational system of free common schools, high schools, and higher and technical education in harmony with the political and social ideals and institutions of America. Textbook, lectures, investigations, and reports. *Five hours a week, fall and summer quarters.* Professor Knight.

145. COMPARATIVE EDUCATION. (5).

This is a course in comparative education with emphasis upon the modern educational experience of and the more significant educational movements in certain foreign countries. Attention will be given to education as a means of national advancement and to the development of retarded national cultures through education. *Five hours a week, spring quarter.* Professor Knight.

152. SUPERVISION OF INSTRUCTION IN ELEMENTARY LANGUAGE ARTS. (5).

Oral and written expression, spelling, penmanship, and grammar will be considered during the first half of this course. Reading and children's literature will be discussed during the second half of the course. The techniques and procedures available for improving the quality of instruction in these fields will be given primary attention. *Five hours a week, fall and summer quarters.* Professor McKee.

154. SUPERVISION OF INSTRUCTION IN THE SOCIAL STUDIES. (5).

The problems of supervising elementary school teachers of history, geography, and citizenship will be discussed in this course. Readings, investigations, observations, reports, and discussions. *Five hours a week, winter and summer quarters.* Professor King

155. SUPERVISION OF INSTRUCTION IN THE NATURAL SCIENCES. (5).

Nature study and elementary science, including physical geography, will be considered in this course. *Five hours a week, spring and summer quarters.* Professor Preston.

†160. CURRICULUM CONSTRUCTION. (5).
The construction and organization of the curricula of the elementary and secondary schools when ased upon human needs. Includes cosideration of the teacher's function in curriculum construction, objectives of the school subjects, sources of curricular material and criteria for evaluating it, selection and organization of the pupil-activities through which the objectives may be attained. *Five hours a week, winter quarter.* Professor McKee.

161. PROJECT ACTIVITIES IN THE ELEMENTARY GRADES. (5).
An attempt will be made in this course to develop the criteria by which children's educational activities should be evaluated, the means by which they should be tested, and the principles governing procedures in activity work. *Five hours a week, fall and summer quarters.* Professor McKee.

162. TEACHING PUPILS HOW TO STUDY. (5).
The physical and environmental factors that condition effective study, the necessary preliminary preparations for study, techniques for discovering a pupil's present study habits in each subject-matter field, the evaluation and improvement of study habits, and techniques for the supervision of practice and growth in each type of study will be analyzed and discussed. *Five hours a week, winter and summer quarters.* Professor McKee.

†163. EVALUATION OF CLASSROOM INSTRUCTION. (5).
The general and specific objectives of instruction are agreed upon in the early meetings of this course. Criteria are then developed for evaluating the materials, techniques, activities, and outcomes of instruction. The latter part of the course consists in applying the criteria to actual classroom lessons in an attempt to develop skill in observing, evaluating, and improving instruction. *Five hours a week, alternate spring and summer quarters.* Professor McKee.

†164. TESTS AND MEASUREMENTS IN ELEMENTARY EDUCATION. (5). Prerequisite, Education 71 or Psychology 21-22-23.
Methods of measuring and improving the results of instruction in the elementary school will be given detailed consideration in this course. Students will be made acquainted with the most important tests and scales and will be given some experience in interpreting the results both statistically and practically. *Five hours a week, alternate winter and summer quarters.* Professor Trabue.

171. THE PSYCHOLOGY OF CHILDHOOD AND YOUTH. (5). Prerequisite, one course in General Psychology or Educational Psychology.
An intensive study of the physical, intellectual, and emotional changes characteristic of childhood and youth. Special emphasis is placed on the consideration of adolescent interests in their relation to instruction. *Five hours a week, winter and summer quarters.* Professor Jordan.

†173. MENTAL MEASUREMENTS. (5). Prerequisite, Education 71 or Psychology 21-22-23.
A study of mental tests, both individual and group. The origin of the tests will be first considered, followed by a comparative study of the various types of group and individual tests. There will be ample opportunity offered for the actual administration of the tests and the interpretation of the results. *Five hours a week, spring quarter.* Professor Jordan.

181. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH. (5). Prerequisite work to be determined by the instructor.
This course is designed to give practical preparation for the teaching of English in high schools. It includues consideration of the aims, courses of study, and methods found most effective in the teaching of grammar, composition (oral and written), and the different types of literature to pupils of high

†Not given, 1935-1936.

school age. Applicants should be thoroughly grounded in the fundamental principles of English grammar, should write and speak well, and should have more than average ability to appreciate literature. *Five hours a week, every quarter.* Professor Farrar.

183. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL FRENCH. (5). Prerequisite work to be determined by the instructor.

In this course the student studies the development of modern language teaching. Particular stress is laid on present-day tendencies, more especially in connection with pronunciation, phonetics, reading, "realia," activities, texts, etc. Weekly reports in readings. Term paper. *Five hours a week, every quarter.* Professor Giduz.

185. MATERIALS AND METHODS OF TEACHING THE SOCIAL STUDIES. (5). Prerequisite work to be determined by the instructor.

This course is required of all students who are preparing to teach high school history and other social studies. The aims, functions, and objectives of the social studies will be carefully analyzed and the history of their place in the American secondary school examined. Such problems as planning and organizing the course, selecting textbooks, library equipment, maps, pictures, and other visual aids will be considered. Following these will be a discussion of the various methods problems such as the recitation, teaching pupils how to study, the lecture, textbook, topical problem and source methods, written work, and testing results. Textbooks, lectures, discussions, special investigations, and reports. *Five hours a week, every quarter.* Professor King.

187. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL LATIN. (5). Prerequisite work to be determined by the instructor.

This course is designed primarily for students who plan to teach high school Latin, whether as a major or minor subject. The history of the teaching of Latin will be discussed along with modern tendencies of instruction in this field. A special study will be made of high school Latin texts, and reports and discussions will emphasize the various methods used in teaching them. Helpful bibliographies will be compiled and examined. *Five hours a week, winter or spring quarter.* Professor Gwynn.

189. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS. (5). Prerequisite work to be determined by the instructor.

A course designed to give those preparing to teach mathematics in high school a comprehensive view of that field. It is composed of six units as follows: history of mathematics, objectives of mathematics teaching, materials, methods, the psychology of mathematics teaching, and measuring in the field of mathematics. Reading and reports on these units will be required. *Five hours a week, every quarter.* Professor Munch.

191. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE. (5). Prerequisite work to be determined by the instructor.

Knowledge of science content is assumed. This course considers the objectives and curriculum position of secondary school science, the proper teaching viewpoint, instruction techniques, selection and use of equipment. As background, the development of secondary school science in response to changing economic, social, and educational conditions is briefly studied. Assigned readings introduce the important literature. *Five hours a week, every quarter.* Professor Preston.

194. MEASUREMENTS IN SECONDARY EDUCATION. (5). Prerequisite, Education 71 or Psychology 21-22-23.

Standard tests for measuring the results of secondary school instruction will be examined and discussed. Special attention will be given to the results and needs in North Carolina high schools. Students will be expected to become fairly familiar with the tests and scales and to develop some skill in interpreting results. *Five hours a week, spring and summer quarters.* Professor Jordan.

196. THE HIGH SCHOOL PRINCIPALSHIP. (5).
This course considers the duties, qualifications, and activities of the principal of a secondary school. Lectures, readings, discussions, investigations, and reports. *Five hours a week, winter and summer quarters.* Professor .....

197. SOCIAL POLICY AND EDUCATION. (5).
Fundamental problems in the social and ethical theory of education. Lectures, prescribed readings, essays, and reports. This course deals with problems of social progress from the standpoint of education, attempts to define a social policy for education, and discusses the vital educational issues involved in that policy. *Five hours a week, spring quarter.* Professor McKee.

Courses for Graduates

201. PROCEDURES IN EDUCATIONAL RESEARCH. (5).
This course, for graduate students only, will be required of all candidates for higher degrees in the fields of educational administration and elementary education. Through the examination of selected examples of published research, members of the class will study the methods and techniques to be used in discovering, defining, and analyzing problems for investigation; in locating, gathering, and interpreting data; and in formulating and testing conclusions. *Five hours a week, winter and summer quarters.* Professor Trabue.

203. TECHNIQUES IN EDUCATIONAL LEADERSHIP. (5).
This course undertakes to discover and to develop skill in the techniques by which communities and their representatives may be led to work effectively for better schools. The course also deals with the problems of leading teachers, supervisors, and administrative officers into more effective professional activities. The use of school reports, public meetings, newspapers, campaigns, surveys, associations, school programs, and other devices will be studied with a view to determining the most effective procedures to use in accomplishing specific results. *Five hours a week, summer quarter.* Professor Howard.

271-272. PROBLEMS IN EDUCATIONAL PSYCHOLOGY. (10). Prerequisite, Education 71 or Psychology 21-22-23, and preferably one other course in Educational Psychology. (Either part may be taken for credit of 5 quarter hours.)
A double course treating intensively of the fundamental facts of educational psychology. This course is designed for those who intend to major in educational psychology and for all those who wish a thorough grounding in the psychological principles of education. The first part of this double course (271) will deal with problems of conduct and individual differences; the second part (272) will deal with problems of learning. *Five hours a week, fall and winter quarters.* Professor Jordan.

299. PRINCIPLES OF SECONDARY EDUCATION. (5).
A systematic course for graduate students, intended primarily for those who have not had Education 99. This course will embrace a study of the American high school, its evolution, organization, administration, functions, and problems. It is designed primarily for high school principals and graduate students who are looking forward to high school principalships. Textbooks, lectures, readings, and reports. A term paper will be required of each student before credit for the course will be allowed. *Five hours a week, spring and summer quarters.* Profcssor .....

†303ac. PROBLEMS IN EDUCATIONAL ADMINISTRATION. (6). Prerequisite, Education 101, or its equivalent, and one other course in educational administration.
A graduate course offering opportunity for intensive study and research

†Not given, 1935-1936.

on selected problems in the field of educational administration. The problems will be selected by the class each year, making it possible for the student to take this course more than once. *Three hours a week, fall, spring, and summer quarters.* Professor Trabue.

†341abc. FOUNDATIONS OF MODERN EDUCATION. (9).
This is a research course in modern educational practices and institutions and is open only to those advanced students who have had Education 142, 143, or the equivalent. Various educational agencies will be studied through investigations, reports, and conferences. *Three hours a week, fall, winter, and spring quarters.* Professor Knight.

375. THESIS COURSE. (Maximum 5 with thesis).
This is a course of strictly graduate grade in which there will be taken up such work as is necessary for each student in connection with the writing of his degree thesis. It is intended for those students whose graduate major is in education, but students whose thesis topics are closely related to education are invited to attend and to take part in the discussion. *Three hours a week.* Professors in the Department of Education.

†376. SEMINAR COURSE. (3 each quarter).
A research course in a special field under the direction of a member of the department. Students may register and receive credit for one, two, or three quarters. *Three hours a week, fall, winter, and spring quarters.*

398-399. PROBLEMS IN SECONDARY EDUCATION. (10). (Either part may be taken for credit of 5 quarter hours.)
This double course is intended for advanced students and is primarily a course in investigation. To be admitted to it, a student must have completed at least two other courses in secondary education. Students who have not taken Education 99 may be admitted only with special permission of the instructor. At the beginning of the course each student is required to select some one problem for special investigation. A thesis will be required of each student. Throughout the two quarters regular class discussions will be held on present-day problems in secondary education, and assigned readings will be required. *Five hours a week, fall and winter quarters.* Professor .....

SCHOOL OF ENGINEERING

*HERMAN GLENN BAITY, WILLIAM JASPER MILLER, JOHN EMERY LEAR, THOMAS FELIX HICKERSON, ELMER GEORGE HOEFER, Professors.

RALPH MCCOY TRIMBLE, ALFRED MCLAREN WHITE, GEORGE WALLACE SMITH, Associate Professors.

THOMAS PASTEUR NOE, COLIN CARMICHAEL, CARL WILLIAMS BORGMANN, Assistant Professors.

JOHN CHARLES GEYER, Instructor.

The profession of engineering offers rich opportunities to men who have the power to apply their technical knowledge and experience to the best advantage. Graduate technical training based upon a broad scientific and cultural foundation becomes a valuable asset to those who would fill places of leadership in the profession and in the affairs of life.

†Not given, 1935-1936.
*Absent on leave, 1935-1936.

The School offers courses leading to the degrees of Master of Science in Chemical, Civil, Electrical, and Mechanical Engineering. The requirements for these degrees are in general the same as for the degree of Master of Arts, and the prescribed courses may be found on pages 27-33. Admission to candidacy for these degrees presupposes the completion of the regular four-year curricula of the University leading to the degrees of Bachelor of Science in Chemical, Civil, Electrical, and Mechanical Engineering. In the case of students from other technical schools of recognized standing certain substitutions may be accepted in lieu of specific requirements for the bachelor's degree here. The master's degree may ordinarily be obtained in one year after the conferring of the bachelor's degree, but in cases where the preliminary training of the candidate has been insufficient, or where the candidate is a teaching fellow or assistant, a longer time will be required.

Instruction is given by means of lectures, recitations, and seminars in connection with appropriate work in laboratories, in drawing rooms, and in the field. The various laboratories of Phillips and Venable halls are well equipped for graduate use, and adequate facilities are provided for research in all of the divisions of engineering. Two special libraries, containing more than sixteen thousand volumes of well-selected textbooks and reference books, together with bound volumes of all the leading American and foreign technical publications—generally in complete sets—are accessible to graduate students in the engineering buildings. These libraries are repositories for the publications of the federal government, the state, educational institutions, and engineering societies.

Engineering research projects of considerable importance are being carried on by the School of Engineering. During the past years this division of the University has coöperated with various federal and state agencies, municipalities, corporations, and engineering and research organizations in studies and investigations that have resulted in the development of data and information of great value. For several years the Department of Civil Engineering has conducted an extensive series of experiments to determine friction and cohesion factors on earth and the pressures on culvert pipes of various types and sizes under different conditions of fill. Investigations of rainfall, stream flow, and beach erosion have been made in coöperation with the State Department of Conservation and Development. Studies on filter sands, water, sewage and industrial waste treatment, chlorination, mosquito and malaria control, stream sanitation, and allied public health problems have been carried out coöperatively with the State Board of Health and the Textile Foundation. Extensive research has been conducted on columns, rigid frames, and continuous beams. In Electrical Engineering studies are being made on vacuum-tube amplifying circuits for thermocouples and on third harmonics in three-phase networks. In Mechanical Engineering research is in progress on the cyclic heat flow in spherical bodies and the response of thermocouples to

rapidly oscillating temperatures. The Department of Chemical Engineering is engaged in investigations of the elimination of sulphur from North Carolina coals, the recovery of alkalis from North Carolina feldspars, and on crystallization and filtration.

CHEMICAL ENGINEERING

The profession of chemical engineering is constantly becoming of greater importance. With the recent phenomenal growth of industry has come the realization on the part of employers of a definite need for men whose training combines chemistry with applied mathematics and physics. The problems involved in the expansion of modern manufacturing and in the development and production of new materials must be solved in large measure by the chemical engineer. Industry has been quick to recognize the desirability of graduate study for chemical engineers, and a definite demand exists for men with advanced degrees. To meet this need, a curriculum leading to the degree of Master of Science in Chemical Engineering has been developed.

Venable Hall houses the chemical engineering laboratories. A large laboratory of approximately 1,500 square feet of floor area contains the larger apparatus. The equipment includes an Oliver filter, a small plate-and-frame filter press, centrifuges, a paint mill, a jaw-crusher, a ball mill, a Dopp kettle with a variety of agitators, and several smaller kettles, tanks, and pumps. The laboratory is fitted with a two-ton traveling crane. Adjacent are a dark room, transformer room, storage rooms, and four control laboratories. These latter contain equipment for gas, fuel, water, and lubricant analysis. Oxygen and peroxide bomb calorimeters, a Junker gas calorimeter, moisture oven, volatile-matter, ash, and ash-fusion point furnaces, flash and fire-point testers, etc., are included. A Wysor polishing machine, metallographic camera, microscopes, and furnaces are provided for work in metallography. In general, each graduate student is allotted a small private laboratory for his personal use. The library of Venable Hall is unusually rich in complete sets of bound periodicals, in addition to the usual reference works and texts.

CIVIL ENGINEERING

The following specialized programs of graduate study are offered, leading to the degree of Master of Science in Civil Engineering:

a. *Municipal and Sanitary Engineering.* With the rapid increase in the growth of cities in North Carolina and other southern states, has come a wide demand for engineers trained to plan and administer the various technical activities of the modern city; therefore, a fifth-year program has been especially designed as a preparation for the important duties of city manager and city engineer. The four undergraduate years are identical with those in the curriculum leading to the degree of S.B. in Civil Engineering. A thorough treatment is given to the fundamental principles underlying the design and opera-

tion of streets, city planning, water works, and sewerage systems, water and sewage treatment plants, garbage and refuse disposal, and drainage. Approved courses in commerce present the basic facts in business administration which are required of all engineering administrators.

b. *Highway Engineering.* North Carolina has assumed a position of leadership in road building among the states in the Union, and consequently there is a demand for engineers who are trained as specialists in highway construction. Opportunities for employment are open to men who have specialized in highway work with the Federal Government, the State Highway Commission, county highway commissions, various municipalities, and with contractors handling highway work. The closest coöperation exists between the State Highway Commission and the University, and students are brought into contact with the state highway organization. The four undergraduate years are identical with those in the course leading to the degree of S.B. in Civil Engineering. In his undergraduate courses the student is given thorough fundamental training in highway and railway engineering, and the design of steel and reinforced concrete structures. Using these courses as a foundation, the student is required in his graduate study to specialize and to acquire a detailed knowledge of the problems of highway construction.

c. *Structural Engineering.* Structural engineering includes the design and construction of all kinds of buildings, bridges, and similar structures, examples of which are the Empire State building, the Hell Gate and Hudson River bridges, and the immense Panama Canal lock gates. The structural engineer is called upon as a specialist in almost all branches of engineering, because structures of wood, concrete, or steel are found in the construction of nearly every engineering undertaking. The four undergraduate years are identical with those of the course of study leading to the degree of S.B. in Civil Engineering. In the graduate year the student devotes himself to specialized and intensive courses and research in structural engineering.

d. *Hydro-electric Engineering.* Problems incident to the rapid increase in the development of the great water powers of the South and the nation, with the accompanying complexities of generation, transmission, and distribution of electric energy, have created a demand for engineers especially trained in the field of hydro-electric engineering. This course is particularly designed to meet the needs of students intending to enter the service of the various power and public utility companies or public service commissions, and for engineers now in practice who desire to return for a year of specialized work or research in some of the problems confronting the hydro-electric industry. The four undergraduate years are identical with those in either civil, electrical, or mechanical engineering. In the graduate year, the student will pursue specialized courses and research work, and will visit and report on several of the leading hydro-electric and steam power plants of the state.

ELECTRICAL ENGINEERING

With the facilities of the electrical engineering laboratories in Phillips Hall, the school is able to offer excellent advantages for advanced work in laboratory investigation and engineering design. The laboratories comprise a total of nearly seven thousand square feet of floor space divided into a large dynamo laboratory containing over fifty generators, motors, and transformers; a standardization laboratory equipped with a wide range of precision standards for both direct and alternating current measurements; a photometric laboratory; a radio laboratory; and a special research laboratory equipped with cathode ray and d'arsonal galvonometer oscillograph outfits. All of these laboratories are supplied with direct and alternating current power by means of a plug and socket system of connections. The University Power Plant offers excellent additional facilities for commercial testing and economic study of an advanced nature. The four undergraduate years are identical with those of the course leading to the degree of S.B. in Electrical Engineering. The graduate year is devoted to specialized work in courses, research, and design.

MECHANICAL ENGINEERING

In the regular four-year course in mechanical engineering the training given is designed for the broader professional field, that is, for the designing and directing positions in industry. In this training two dstinct, though related, fields are emphasized—machine design and heat-power engineering. Opportunity for advanced study in both of these fields is offered to qualified graduates. For the study of heat-power problems, the steam and gas laboratory is well-equipped with modern heat engines, and the fuel and oil testing laboratory has excellent facilities for the study of fuels and lubricating oils.

GENERAL ENGINEERING

Courses for Graduates and Advanced Undergraduates

G. E. 116a. CONTRACTS AND SPECIFICATIONS. (3).

A course covering the laws of contracts, a detailed study of methods of writing correct specifications, the matter of securing or submitting bids, and the subject of bid bonds. *Three hours a week, spring quarter.* Professor .....

Courses for Graduates

G.E. 256abc. ADVANCED STRENGTH OF MATERIALS. (10). Prerequisite, General Engineering 56a.

General theory of flexure, combined stresses, theory of thick-walled cylinders, flexure of plates and curved beams; and other theoretical and empirical matter on the general subject of strength of materials that is not treated exhaustively in the undergraduate curriculum of most engineering schools. *Three hours a week, fall and spring quarters; four hours a week, winter quarter.* Professor Smith.

CHEMICAL ENGINEERING

Courses for Graduates and Advanced Undergraduates

Ch.E. 191. CHEMICAL ENGINEERING LABORATORY. (4). Prerequisite, Ch.E. 194, 195; corequisite, Ch.E. 196.

Efficiency studies on chemical equipment, plant erection studies, and unit process work in the laboratory. *One lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Professor White; Mr. Brenner.

Ch.E. 194-195-196. PRINCIPLES OF CHEMICAL ENGINEERING. (9). Prerequisite, Ch.E. 91, 94.

A study of the unit operations of chemical engineering, covering fluid flow, filtration, evaporation, distillation, etc. *Three hours a week, fall, winter, and spring quarters.* Professor White.

Ch.E. 197. CHEMICAL ENGINEERING CALCULATIONS. (5).

A study of material and heat balances in industrial processes. *Five hours a week, fall quarter.* Professor White.

Courses for Graduates

Ch.E. 291, 292, 293. SEMINAR IN CHEMICAL ENGINEERING. (3 each).

A discussion and library course, Selected topics in the field of chemical engineering will be considered. *Three hours a week, fall, winter, and spring quarters.* Professor White.

294-295-296. SEMINAR IN METALLURGY. (3 each).

A discussion and library course in which selected topics in the field of metallurgy and metallography will be considered. Recently the subjects have included theories of hardness and advanced alloy diagrams. Professor Borgmann.

Ch.E. 391ac. RESEARCH IN CHEMICAL ENGINEERING. (16½).

Research towards an advanced degree, the subject of which must be approved by the professor in charge. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professors White, Borgmann.

CIVIL ENGINEERING

Courses for Graduates and Advanced Undergraduates

C.E. 160abc. HIGHWAY AND RAILWAY ENGINEERING, CITY PLANNING. (13½). Prerequisite, Civil Engineering 60a, or equivalent experience.

The first quarter is concerned with the study of location, design, construction, and maintenance of the various types of highways; characteristics of road materials; highway administration, legislation, organization, and financing. The second quarter is devoted to the study of railroad location, roadbed construction, and maintenance; railroad valuation, terminals, electrification, operation, etc. The third quarter's work considers the growth of cities, historical and aesthetic development of prominent features of the modern city; and detailed study of urban, suburban, and regional elements such as street plans, subdivisions, recreational facilities, zoning, traffic census and control. Parallel laboratory and design exercises consist of identification and physical testing of highway and railway materials, study of reports and observations of projects under construction and completed, and design of street systems, subdivisions, traffic census and control.

Three lecture and three laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $4.00 a quarter. Professor Trimble.

C.E. 165abc. HYDRAULIC AND SANITARY ENGINEERING. (13½). Prerequisite, Civil Engineering 65a.

The epidemiological background, principles, and practice of sanitation and public health engineering; the theory and fundamentals of design, construction, and operation of water supply and sewerage systems, water purification, and sewage treatment plants, as applied to municipalities and rural communities. Attention is given to studies of rainfall, stream flow, and storage as applied to water supply, water power, and waste disposal. Parallel laboratory exercises comprise problems in the layout and design of simple water supply and sewerage systems and water and sewage treatment works. Training is given in the operation of such utilities and the routine laboratory technique employed in their control. *Three lecture and three laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $4.00 a quarter.* Messrs. Geyer, Hollett.

C.E. 170abc. STEEL STRUCTURES. (12). Prerequisite, General Engineering 56a and Civil Engineering 70a.

Theory of structures, including analytical determination of stresses occurring in engineering structures, such as roof and bridge trusses and buildings. Parallel design exercises comprise specific and complete problems in the design of girders, trusses, and buildings. *Two lecture and three laboratory hours a week, fall and winter quarters; two lecture and six laboratory hours a week, spring quarter.* Professor Noe.

C.E. 175abc. REINFORCED CONCRETE STRUCTURES. (10½). Prerequisite, General Engineering 56a.

Development of the mathematical principles involved in the design of plain and reinforced concrete beams, slabs, columns, foundations, retaining walls, dams, arches, and girders. Parallel laboratory exercises comprise specific and complete problems illustrating the use of these structural elements in the design of buildings, bridges, and other reinforced concrete structures. *Two lecture and three laboratory hours a week, fall, winter, and spring quarters.* Professor Hickerson.

Courses for Graduates

C.E. 260abc. REGIONAL AND CITY PLANNING. (3 each). Prerequisite, Civil Engineering 160abc, 165abc, or equivalent.

Following an historical resumé of the subject, there is presented by means of lectures and readings a detailed topical analysis of the broad principles governing modern practice. The legal aspects are first treated, followed by consideration of the effects of physical factors, such as topography, river or sea front, etc. Consideration of communication facilities includes street plan, traffic control, transportation and transit problems, and port and industrial development. Zoning, housing, recreation, public health, statistics, public safety, and methods of financing precede a final analysis of numerous city or regional plans in effect in different parts of the country. *Three hours a week, winter and spring quarters.* Professor Trimble, and other members of the graduate faculty.

C.E. 265abc. ADVANCED SANITARY ENGINEERING. (9). Prerequisite, Civil Engineering 65a, Civil Engineering 165abc, or their equivalent.

An advanced course in sanitary and public health engineering, including the design and operation of water supply and sewerage systems, water and sewage treatment plants, water rate studies, leakage surveys, financial management, stream sanitation, industrial waste disposal, rural sanitation, garbage disposal, drainage, malaria control, etc. Occasional lectures are given by practising engineers and public works and public health officials. *Three hours a week, fall, winter, and spring quarters.* Mr. Geyer.

C.E. 270abc. ADVANCED STEEL STRUCTURES. (10). Prerequisite, Civil Engineering 170abc and Civil Engineering 175abc.

Internal work; elastic properties; least work; continuous beams of variable moment of inertia; statically indeterminate structures; redundant members; deflections of trusses; temperature stresses; secondary stresses; trusses of all types including the simply supported and continuous; cantilever, suspension, draw, and lift bridges; arches, fixed and hinged at one, two, or three points; roofs; tall building frames. *Three hours a week, winter and spring quarters, and four hours a week, fall quarter.* Professors Hickerson and Noe.

C.E. 275abc. ADVANCED REINFORCED CONCRETE STRUCTURES. (10). Prerequisite, Civil Engineering 170abc and Civil Engineering 175abc.

Analysis of monolithic and statically intermediate reinforced concrete structures of various types, including continuous slabs and beams, rigid frames, multiple-span culverts, building frames, gravity and arch dams, domes, skew bridges. Emphasis is placed on the solution of numerous practical problems. The content of the courses, C.E. 270abc and C.E. 275abc, is coördinated so as to avoid duplication. *Four hours a week, spring quarter; three hours a week, fall and winter quarters.* Professor Hickerson.

C.E. 280a. HYDROLOGY. (3). Prerequisite, Civil Engineering 165abc or equivalent. This course may be continued for additional credit.

A detailed study of meteorology, rainfall, stream flow, storage, and other factors influencing hydrological investigations. The application of modern statistical methods to such problems is particularly stressed. *Three hours a week, fall quarter. Laboratory fee, $2.00.* Mr. Geyer.

C.E. 285ab. WATER POWER ENGINEERING. (6). Prerequisite, Civil Engineering 280a or equivalent.

The investigation and design of water power developments, including preliminary hydrological studies, investigation of dam foundations, dam design, characteristics and selection of turbines, etc. A complete report will be prepared, including estimated cost of development, market for power, relation to other power systems, and financing. This course may be followed by Electrical Engineering 262a, 272a, 282a. *Three hours a week, winter and spring quarters. Laboratory fee, $2.00 a quarter.* Mr. Geyer.

C.E. 290abc. SANITARY CHEMISTRY AND BIOLOGY FOR ENGINEERING STUDENTS. (5 to 20). Prerequisite, Chemistry 1-2-3 or equivalent, Civil Engineering 65abc, or equivalent.

A course designed to give intensive training in the laboratory methods employed in sanitary engineering practice. The work includes microscopical examinations; physical, chemical, and bacteriological determinations on water, air, milk, sewage, and industrial wastes; the analysis of sand and gravel for filtration purposes; limnological studies of streams and reservoirs; stream pollution investigations; and the application of laboratory tests to the control of sanitary works. Class and laboratory exercises are supplemented by field work and plant inspections. *Four to twelve laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Messrs. Geyer, Hollett.

C.E. 360abc. HIGHWAY ENGINEERING RESEARCH AND DESIGN. (5 to 20). Prerequisite, Civil Engineering 160abc or equivalent.

Laboratory research problems in highway materials; investigation of problems in the scientific design and construction of modern road types; problems involving the development of equipment for use in investigation or specification of methods and materials. *Four to twelve laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Professor Trimble.

C.E. 365abc. RESEARCH IN HYDRAULIC AND SANITARY ENGINEERING. (5 to 20). Prerequisite, Civil Engineering 165abc or equivalent.

For graduate or special students desiring to conduct investigations in hydrology, hydraulics, water or sewage treatment, or stream pollution. *Four to twelve laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Mr. Geyer.

C.E. 370abc. RESEARCH IN STRUCTURAL ENGINEERING. (5 to 20). Prerequisite, Civil Engineering 170abc, 175abc or equivalent.

A course for graduate students desiring to engage in an intensive analytical or experimental investigation of structural engineering problems. *Four to twelve laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Professors Hickerson, Trimble, Noe.

ELECTRICAL ENGINEERING

Courses for Graduates and Advanced Undergraduates

E.E. 102a. ELECTRICAL POWER TRANSMISSION. (3). Prerequisite, Electrical Engineering 62abc, Mathematics 26E.

Theory and problems involved in the transmission of electrical energy, including the hyperbolic function solution of long lines. *Three hours a week, fall quarter.* Professor Miller.

E.E. 112a. ELECTRICAL CIRCUITS. (3). Prerequisite, Electrical Engineering 102a.

The solution of problems involving power circuit networks, multi-circuit transformers, general circuit constants, etc. *Three hours a week, winter quarter.* Mr. Winkler.

E.E. 122a. ELECTRICAL CIRCUITS. (3). Prerequisite, Electrical Engineering 112a.

A continuation of Electrical Engineering 112a, including transients, communication circuits, thermonic tubes, and gaseous conduction. *Three hours a week, spring quarter.* Professor Miller.

E.E. 162abc. PRINCIPLES OF ALTERNATING CURRENT MACHINERY. (18). Prerequisite, Electrical Engineering 62abc, Mathematics 26E.

Theory and principles of the transformer, alternator, synchronous motor, synchronous converter, induction motor, and other alternating current motors. *Three lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $7.00 a quarter.* Professor.....

Courses for Graduates

E.E. 262a. ELECTRIC TRANSIENTS. (5).

The mathematical theory of the phenomena of the transient state met with in the operation of electric circuits and machines. *Five lecture hours a week, one quarter.* Professor Miller.

E.E. 272ab. ADVANCED TRANSMISSION PROBLEMS. (5 each).

Problems pertaining to high voltage transmission of electrical power. *Five hours a week, two quarters.* Professor Miller.

E.E. 282a. DESIGN OF TRANSMISSION SYSTEMS. (3).

Economic principles involved in the preliminary layout; insulation and lightning protection; sag of conductors; mechanical design of poles and towers. *Three hours a week, one quarter.* Professor Lear.

E.E. 382abc. RESEARCH AND DESIGN IN ELECTRICAL ENGINEERING. (5 to 15).

The solution of one or more definite problems in some particular field of electrical engineering. The work of this course will be outlined, as far as

possible, to suit the needs of the individual student, and will consist of original investigations, designs, or economic study. *Four to ten laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Miller.

MECHANICAL ENGINEERING

Courses for Graduates and Advanced Undergraduates

M.E. 166ab. AERODYNAMICS. (9). Prerequisite, General Engineering 26abc, Civil Engineering 65a, Mechanical Engineering 66a. Required of mechanical engineering seniors.

Fluid mechanics, similitude, functions and characteristics of airfoils, propellers, theory and calculation of airplane performance, stability, control and maneuverability. *Three lecture and three laboratory hours a week, fall and winter quarters. Laboratory fee, $5.00 a quarter.* Professor Carmichael; Mr. MacLean.

M.E. 176a. DESIGN OF AIRPLANES. (3). Prerequisite, General Engineering 56a, Mechanical Engineering 166ab. Required of mechanical engineering seniors.

This course includes the calculation of airplane loadings, materials of construction, stress analysis, Department of Commerce requirements, design methods, weight control, and structural tests. *Three hours a week, spring quartem.* Mr. MacLean.

M.E. 186a. AIRPLANE ENGINES. (3). Prerequisite, Mechanical Engineering 166a; corequisite, Mechanical Engineering 78abc.

A study of airplane engines and propellers, design principles, performance calculations, and altitude effects; characteristics of existing engines, accessories, and engine testing and construction. *Three hours a week, spring quarter.* Professor Carmichael.

Courses for Graduates

M.E. 283abc. ADVANCED ENGINEERING THERMODYNAMICS. (5 each). Prerequisite, Mechanical Engineering 78abc and 83a.

An advanced course in thermodynamics with application to the theory and design of heat-power apparatus, such as steam engines and turbines, internal combustion engines, refrigerating machines, and heating and ventilating systems. *Five hours a week, fall, winter, and spring quarters.* Professor Hoefer.

M.E. 288abc. ADVANCED MECHANICAL DESIGN. (5 each). Prerequisite, Mechanical Engineering 88abc.

A mathematical and experimental study of the effects of motion and vibration on the design and performance of machines and structures. *Three lecture and four laboratory hours a week, fall, winter, and spring quarters.* Professor Carmichael.

DEPARTMENT OF ENGLISH

GEORGE RALEIGH COFFMAN, FREDERICK HENRY KOCH, JOHN MANNING BOOKER, GEORGE COFFIN TAYLOR, WILLIAM FLINT THRALL, GREGORY LANSING PAINE, ARTHUR PALMER HUDSON, Professors.

ALMONTE CHARLES HOWELL, *WILLIAM DOUGALD MACMILLAN III, **ESTON EVERETT ERICSON, RAYMOND WILLIAM ADAMS, RICHMOND PUGH BOND, Associate Professors.

ROBERT BOIES SHARP, Assistant Professor.

*Absent on leave, 1935-1936.

**Absent on leave, fall quarter, 1935.

The Department of English offers to graduate students research leading to advanced degrees, with training afforded by specialized courses in literature and language and in historical and critical aspects of the drama; special study of the drama, including dramatic composition.

1. Intensive study and research are made effective through advanced lecture courses and the seminars, through the resources of a well-equipped library, and through the stimulus of association with men who are actively interested in research. Within the past three years the bibliographical resources of the University Library have been expanded in the field of English through the General Education Board grant. Some of the noteworthy titles secured through this fund are: Surtees Society Publications; Great Britain, Public Record Office, Chronicles and Memorials; Dugdale's *Monasticon Anglicanum;* catalogues of manuscripts in Oxford, Cambridge, British Museum, and other English collections; printed catalogues of the British Museum, John Rylands Library, Oxford University, and other great English libraries; definitive editions of Milton, Spenser, Drayton, Christopher Marlowe, and other English writers. Photostat copies of a number of early and rare English works have been bought through grants from the Smith Research Fund; the Library is continuing to add to the Hanes collection of rare books and manuscripts, and the English journals have been maintained intact. In addition, the most essential books are being acquired from the library's annual appropriation for the department.

2. In addition to the advanced courses, which afford opportunity for gaining that sound and accurate knowledge that is the first essential of good teaching, the attention of teachers of English and of those who are preparing for such work is directed toward the development of an effective method.

Requirements for Advanced Degrees

Candidates for advanced degrees in the Department of English must have completed, before admission to candidacy, the undergraduate major in English at the University of North Carolina, or its equivalent.

The courses elected by a candidate for the master's degree must include English 331-332, one course in Chaucer, one course in drama before 1800 (including Shakespeare), and two period courses. All the courses may be chosen from the Department of English; or a minor may be chosen from some other department in the Division of Languages and Literatures, or, in special cases, from a department in some other division. The plan of work as a whole must be closely unified, and no department may be chosen as a minor unless the candidate has previously completed, as an undergraduate, an amount of work in that department sufficient to constitute an undergraduate minor.

The candidate for the degree of Doctor of Philosophy should normally be ready after two years of graduate study to devote his major attention to the fields or periods most nearly related to his thesis.

Within the limits of the library facilities, the Department of English directs investigation in the English language and the different periods of English and American literature. Some of the doctoral dissertations recently accepted by the Department are: "The Language and Linguistic Interests of Sir Thomas Elyot"; "Certain Doctrines of Natural and Moral Philosophy as an Approach to the Study of Elizabethan Drama"; "Studies in the Influence of Du Bartas in England, 1584-1641"; "The Parasite in the Elizabethan Drama"; "Type-Characters in the Serious Drama of the Restoration, with Special Attention to the Plays of Davenant, Dryden, Lee, and Otway"; "Carlyle's Intellectual Development During his Scottish Period, 1795-1834"; "George Eliot and the English Literary Periodical"; "Political Ideas of New England Transcendentalism as Represented by Five Typical Transcendentalists"; "The American Novel 1830-1850: Its Reflection of Contemporary Religious Conditions, with a Bibliography of Fiction."

Courses for Graduates and Advanced Undergraduates

101. OLD ENGLISH: INTRODUCTORY COURSE. (5).
A study of Old English grammar and syntax. A considerable amount of Old English prose is read. *Five hours a week, fall quarter.* Professor Ericson.

105. MEDIEVAL ROMANCE IN ENGLISH. (5).
A survey of medieval romance and romance materials in English literature, with particular attention to the Arthurian tradition. *Five hours a week, winter quarter.* Professor Thrall.

111. ENGLISH LITERATURE OF THE RENAISSANCE. (5).
A survey of the literature of the Elizabethan period, exclusive of the drama. *Five hours a week, fall quarter.* Professor Thrall.

112. SPENSER. (5).
The works of Spenser are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study. *Five hours a week, spring quarter.* Professor Thrall.

113. ENGLISH DRAMA, 1500-1600. (5).
English Drama in the Sixteenth Century with preliminary consideration of the religious drama in Western Europe and in Medieval England. *Five hours a week, fall quarter.* Professor Sharpe (1936), Professor Coffman (1937).

114. ENGLISH DRAMA, 1600-1642. (5).
Five hours a week. winter quarter. Professor Sharpe.

121. ENGLISH LITERATURE, 1616-1642. (5).
The non-dramatic literature of the period. (1938 and alternate years.) *Five hours a week, winter quarter.* Professor Howell.

125. MILTON. (5).
The works of Milton are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study. *Five hours a week, fall quarter.* Professor Taylor.

131. ENGLISH LITERATURE, 1700-1780. (5).
The non-dramatic literature of the period. *Five hours a week, fall quarter.* Professors MacMillan, Bond.

133. RESTORATION AND EIGHTEENTH-CENTURY DRAMA. (5).
A study of the drama from 1660 to 1800. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor MacMillan.

141. ENGLISH LITERATURE, 1780-1830. (5).
A survey of English literature of the romantic period with especial attention to the greater poets. *Five hours a week, winter quarter.* Professor Hudson.

149. NINETEENTH-CENTURY DRAMA. (5).
A study of representative English plays in the nineteenth century. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Koch.

151. EARLY AMERICAN LITERATURE. (5).
A survey of the literature of the colonial, revolutionary, and early national periods, including Bryant, Irving, and Cooper. *Five hours a week, fall quarter.* Professor Paine.

161. COMPARATIVE DRAMA. (5).
A general survey of the drama and the theatre from Æschylus to Ibsen. The development of dramatic literature is studied through representative plays (in translation) of the leading European dramatists. *Five hours a week, winter quarter.* Professor Koch.

162. MODERN DRAMA. (5).
A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. (1938 and alternate years.) *Five hours a week, spring quarter.* Professor Koch.

163. LITERARY CRITICISM. (5).
The principles which have animated classical, romantic, and realistic literature. *Five hours a week, winter quarter.* Professor Bond.

167. THE ENGLISH BALLAD. (5).
A study of the English and Scottish popular ballads, with a survey of ballad survivals in America, particularly in North Carolina. Students in the course who may have access to ballads in oral circulation will be encouraged to collect them. *Five hours a week, spring quarter.* Professor Hudson.

Courses for Graduates

201. STUDIES IN OLD ENGLISH LITERATURE: BEOWULF. (5). Prerequisite, English 101.
Five hours a week, winter quarter. Professor Ericson.

202. MIDDLE ENGLISH. (5).
The main purpose of the course is to acquaint the student with the literature of the period through relation to the social, political, and religious background. A fuller study will be made of the historical and philological relations of Middle English than in English 208. *Five hours a week, spring quarter.* Professor Coffman.

203. MEDIEVAL DRAMA. (5).
A study of the origin and development of the religious drama in Western Europe; special consideration of the craft cycles and the moralities. (Not offered 1936-1937.) Professor Coffman.

204. HISTORY OF THE ENGLISH LANGUAGE. (5). Prerequisite, English 101, 202.
An intensive and detailed study of the language according to historical methods. General Indo-European phenomena as applied to English. For

students of linguistics and others wishing a thorough background for literary studies in the English classics. (1937 and alternate years). *Five hours a week, spring quarter.* Professor Ericson.

208. CHAUCER. (5).
The work of the course will consist chiefly of a reading and discussion of Chaucer's works, with attention to the critical and historical problems involved in their interpretation, and with some consideration of Chaucer's language. Previous training in Old or Middle English is not prerequisite. *Five hours a week, fall quarter.* Professor Coffman.

231-232. SHAKESPEARE. (10).
The works of Shakespeare are studied with emphasis upon the historical and critical problems which they present. *Five hours a week, winter and spring quarters.* Professor Taylor.

243. VICTORIAN LITERATURE, 1832-1890. (5).
A study of one of the two main literary currents of the Victorian period—the usage of Classical, Medieval, and Renaissance sources by Tennyson, Browning, Arnold, Morris, and Swinburne. Not prerequisite to English 244. (1937 and alternate years). *Five hours a week, winter quarter.* Professor Booker.

244. VICTORIAN LITERATURE, 1832-1890. (5).
A study of one of the two main literary currents of the Victorian period—the social and religious literature of Carlyle, Dickens and the humanitarian novelists, Tennyson, Browning, Ruskin, Arnold, Morris, and Swinburne Not prerequisite to English 243. (1938 and alternate years.) *Five hours a week, winter quarter.* Professor Booker.

283. AMERICAN LITERATURE, 1830-1855. (5).
This survey course follows English 151, which is not, however, prerequisite. The chief authors are Poe, Emerson, Thoreau, Longfellow, Lowell, Hawthorne, and Melville. Especial attention is given to the literature of the South. (1937 and alternate years.) *Five hours a week, spring quarter.* Professors Adams, Paine.

284. AMERICAN LITERATURE, 1855-1900. (5).
This survey course follows English 283, which is not, however, prerequisite. The chief authors are Lanier, Whitman, Mark Twain, Bret Harte, Howells, and James. Stress is placed upon the cultured and folk literature of the South, the influence of Whitman upon poetry, the rise of realism, literary criticism, and the dominance of magazines. (1938 and alternate years.) *Five hours a week, spring quarter.* Professor Paine.

307. SEMINAR: STUDIES IN MEDIEVAL LITERATURE. (5).
Research in special problems concerning medieval drama, Chaucer, and other vernacular literature of the middle ages. *Five hours a week, winter quarter.* Professor Coffman.

310. SEMINAR: STUDIES IN ELIZABETHAN LITERATURE. (5).
Research in special problems in Elizabethan literature. *Five hours a week, fall quarter.* Professor Taylor.

312. SEMINAR: STUDIES IN SEVENTEENTH-CENTURY LITERATURE. (5).
Research in special problems in the literature and thought of the seventeenth century. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Howell.

313. SEMINAR: STUDIES IN EIGHTEENTH-CENTURY LITERATURE. (5).
Special problems in the literary and intellectual movements of the eighteenth century. *Five hours a week, spring quarter.* Professors MacMillan, Bond.

317. SEMINAR: STUDIES IN NINETEENTH-CENTURY ROMANTICISM IN ENGLAND. (5).
Wordsworth and Coleridge: the English and Continental aspects of their thought and art. *Five hours a week, fall quarter.* Professor Hudson.

318. SEMINAR: STUDIES IN AMERICAN LITERATURE. (5).
Five hours a week, winter quarter. Professors Paine, Adams.

320. SEMINAR: STUDIES IN VICTORIAN LITERATURE. (5).
Special problems in the literature appearing between 1832 and 1890. *Five hours a week, spring quarter.* Professor Booker.

331. BIBLIOGRAPHY AND METHODOLOGY. (5).
A course designed to aid students in preparing term papers, theses, and dissertations. The bibliographical guides for the study of English are presented, the problems of literary research are discussed, and the standard procedures and forms in writing scholarly papers are taught. Required of all candidates for the A.M. and Ph.D. degrees. *Five hours a week, winter quarter.* Professor Paine.

340. SPECIAL READINGS. (5).
Research in a special field under the direction of a member of the department. This course may not be repeated for credit.

341. SPECIAL RESEARCH. (5).
Research in a special field under the direction of a member of the department.

Attention is called to the courses in philology and advanced literary study offered in the Department of Classics (Latin 202, Latin Epigraphy; Latin 203, Latin Paleography), General and Comparative Literature, Germanic Languages, (Introduction to Comparative Philology; Gothic; etc.), and Romance Languages (French 221-22-223, Old French; French 225, Provençal; Celtic 105, Middle Irish; Spanish 221-222, Old Spanish; Italian 131-132. Dante; etc.).

DEPARTMENT OF GENERAL AND COMPARATIVE LITERATURE

Howard Russell Huse, acting chairman, and the graduate staff of the departments of Classical Languages, English, Romance Languages, and Germanic Languages.

The Department of General and Comparative Literature has a specific function in relation to graduate studies. It offers students an opportunity to become familiar with the work of the leading figures of world literature and to gain in this way a knowledge which is basic for literary studies and for the humanities in general. It provides, moreover, in the case of certain graduate courses, a strictly comparative study of literary forms and movements.

Courses for Graduates and Advanced Undergraduates

103. HOMER, THE ILIAD AND ODYSSEY. (5).
The epic as a literary form; origins, Mycenaean civilization, literary characteristics, comparison of the chief English translations. *Five hours a week, winter quarter.* Professor Bernard.

107. GREEK DRAMATIC LITERATURE. (5).
A course designed to embrace the origin, development, technique, and content of Greek drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress. *Five hours a week, spring quarter.* Professor Bernard.

112. VERGIL, THE ÆNEID. (5).
The history of the Latin Epic; a detailed study of the Æneid. *Five hours a week, spring quarter.* Professor Howe.

115. OVID. (5).
The reading in English of the complete works of Ovid. Special critical studies in the *Metamorphoses.* The influence of Ovid on later writers. *Five hours a week, fall quarter.* Professor Howe.

117. CERVANTES. (5).
Consideration of the Romances of Chivalry in Spain; study of Cervantes' *Don Quixote* and the *Exemplary Novels* in English translation. *Five hours a week, spring quarter.* Professor Stoudemire.

125. MILTON. (5).
The works of Milton are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study. *Five hours a week, fall quarter.* Professor Taylor.

135. FRENCH CLASSICISM. (5).
A general survey of the origins of classicism in France. Assigned readings in the Greek and Latin writers with emphasis on the modification of their art which explains the masterpieces of the French 17th century. A large part of the course will be given over to the plays of Corneille, Moliere, Racine, and their contemporaries. The decline of classicism in France, and the evolution toward an unrestricted type of literature. *Five hours a week, spring quarter.* Professor Wiley.

155. GOETHE. (5).
Study of the man, thinker, and poet in connection with the German and general European movements of thought and literature in his time. Lectures and reports. (1936 and alternate years). *Five hours a week, spring quarter.* Professor Zucker.

156. DANTE. (5).
A study of translations of the *Vita Nuova* and the *Divine Comedy;* the precursors of Dante and the poets of the *dolce stil nuovo.* Special studies of Dante's political and social philosophy, with particular emphasis on Dante as a poet and as a guide. *Five hours a week, winter quarter.* Professor Huse.

161. COMPARATIVE DRAMA. (5).
A general survey of the drama and the theatre from Aeschylus to Ibsen. Special attention is given to the function of the drama in representative plays of the leading European dramatists. *Five hours a week, winter quarter.* Professor Koch.

162. MODERN DRAMA. (5).
A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. (1936 and alternate years). *Five hours a week, spring quarter.* Professor Koch.

163. LITERARY CRITICISM. (5).
The principles which have animated classical, romantic, and realistic literature. *Five hours a week, spring quarter.* Professor Bond.

165. IBSEN. (5).
A study of Ibsen's dramas in English translation. Special attention is given to the inter-relation of the author's life and his plays; the romantic, realistic, and symbolic phases of his work; "the Ibsen technique"; Ibsen's message and influence. *Five hours a week, winter quarter.* Professor Zucker.

170. THE MIDDLE AGES. (5).
A survey of Medieval France, England, Germany, Spain, Italy, and Byzantium, from the point of view of civilization and especially of art and literature. (1937 and alternate years). *Five hours a week, fall quarter.* Professor Holmes.

173. MEDIEVAL ROMANCE. (5).
A survey of Medieval romance and romance materials in English literature, with particular attention to the Arthurian tradition. (Same as English 105). *Five hours a week, spring quarter.* Professor Thrall.

175. THE RENAISSANCE. (5).
An account of the establishment of modern European culture. Lectures on the history, science, fine arts, literary scholarship, and literature of the Renaissance in Italy, France, Germany, the Netherlands, and England. (1936 and alternate years.) *Five hours a week, fall quarter.* Professors Holmes (Chairman), Adams, Lyons; Messrs. Linker, Friederich.

177. LITERARY INFLUENCES FROM 1660 to 1770. (5).
Cosmopolitan influences in France, Germany, and England; the *querelle des Anciens et des Modernes;* French classicism (Voltaire) in its defense against growing English Pre-romanticism and German *Sturm und Drang.* Shakespeare and Milton on the continent; Rousseau in Germany. *Five hours a week, winter quarter.* Mr. Friederich.

185. INTRODUCTION TO FOLKLORE. (5).
Origin, evolution, and bibliography of types. Literary significance, as seen in the development of prose fiction. Collections, such as the *Panchatantra, Seven Sages, Arabian Nights,* etc., and the continuation of these tales through medieval and modern literature. *Five hours a week, winter quarter.* Professor Boggs.

DEPARTMENT OF GEOLOGY

WILLIAM FREDERICK PROUTY, Professor.
GERALD RALEIGH MACCARTHY, Associate Professor.
JOHN WARFIELD HUDDLE, Assistant Professor.

To men entering the profession of geology opportunities for useful employment are open in teaching, in state and federal bureaus and surveys, in mining, in investigating oil fields, in working various economic geologic deposits, in geophysical prospecting, and in soil investigation. Preparation for this work may be secured through the regular college course, with geology as the major study throughout the course, and the addition of field work in vacation and work in the Graduate School for one or more years. It may also be obtained through a curriculum leading to the degree of Bachelor of Science in Geology, and this should in every case be followed by work leading to the degree of Master of Science as outlined below.

The work of the graduate student specializing in geology should be, in large measure, the investigation of problems in the field, and the working out of many of the details in the laboratory. At the present time the following lines of investigation are being pursued by members of the Department of Geology: study of Atlantic Coast beachsands; origin of "bays" of the Middle Atlantic coastal plain; origin of the phosphate deposits in the Charleston, S. C., area; structure of the

verd antique marble deposits of Cardiff, Maryland; correlation of the Silurian deposits of Eastern Tennessee; foraminifera of the Coastal plain formations of North Carolina; ostracoda of the Silurian of southeastern United States and of the tertiary of the Coastal Plain of North Carolina; geophysical investigation of character and structure of sub-coastal plain rocks and the structure of the central Appalachian area; resistivity methods in prospecting for water supplies; origin and geological history of the Purefoy states.

Graduate Degrees in Geology

The course leading to the degree of Master of Science in Geology is open to students who have graduated with the degree of Bachelor of Science in Geology in the University of North Carolina, and to students who have completed the equivalent of such a course as prescribed by the University. The course consists of a special research in some one branch of geology, pursued throughout the year, and six weeks in field work in the summer under the direction of a member of the graduate faculty, followed by the completion of the investigation during the fall term. These researches constitute six full courses for the master's degree. In addition to this major, the candidate must complete three approved courses in one or more of the following departments: chemistry, physics, civil engineering, zoölogy, or botany.

For the degree of Doctor of Philosophy the same procedure is followed, except that after the first year of study less attention is paid to credit gained for courses and more stress is put upon independent work.

Geological Laboratories and Museum

The geological laboratories occupy the New East Building, recently rebuilt. The laboratories are well supplied with minerals, rocks, thin rock sections, materials for study of economic geology, lantern slides, maps, charts, microscopes, and instruments for advanced work.

The geological museum on the first floor of New East contains large collections of minerals, rocks, and fossils. It is open daily to the study body and the public.

Geology: Courses for Graduates and Advanced Undergraduates

105. ELEMENTS OF GEOPHYSICS. (5). Prerequisite, Introductory Geology and Freshman Mathematics.

The fundamental principles of geophysics, the application of these principles to practical problems. This course may be continued for not more than two additional quarters under the numbers 106 and 107. *Four lecture and two laboratory hours a week, fall quarter. Laboratory fee, $5.00 a quarter.* Professor MacCarthy; Assistant.

111, 112, 113. ECONOMIC GEOLOGY. (5 each). Prerequisite, Introductory Geology, Geology 43, 44, Chemistry 1-2-3 or 4-5.

Lectures, laboratory work, and reports. The first course will deal chiefly with the principles of ore formation and their economic development. The two following courses will deal with the better known mineral deposits, both

metallic and non-metallic. (1935-1936 and alternate years.) *Three lecture and four laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $3.50 a quarter.* Professor Prouty; Assistant.

121, 122. FIELD AND STRUCTURAL GEOLOGY. (5 each). Prerequisite, Introductory Geology.

Lectures, laboratory, problems, conferences, and field work. The first quarter deals with geological note taking, surveying, map making, and field practice; the second quarter deals with structural geology and map interpretation. (1936-1937 and alternate years.) *Three lecture and four laboratory hours a week, fall and winter quarters. Laboratory fee, $3.50 a quarter.* Professor Prouty; Assistant.

123. OIL GEOLOGY. (5). Prerequisite, Geology 121, 122.

Lectures, laboratory work, and reports. A study of the origin, distribution, and accumulation of petroleum, with special relation to the old fields of North America; methods of prospecting oil, recovery of oil, the valuation of oil properties. *Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, $3.50.* Professors Prouty, Huddle.

131. ADVANCED CRYSTALLOGRAPHY. (5). Prerequisite, Chemistry 1-2-3 or 4-5, Geology 43, 44.

This course includes a detailed consideration of the nature of crystals and crystalline substances, the use of both contact and reflecting goniometer, and crystal drawing. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $3.50.* Professor MacCarthy.

133. PETROLOGY. (5). Prerequisite, Introductory Geology, Geology 43, 44, Chemistry 1-2-3 or 4-5.

Lecture and laboratory work on rocks; a study of the origin, classification, and distribution of rocks. *Three lecture and four laboratory hours a week, fall quarter. Laboratory fee, $3.50.* Professor Prouty; Assistant.

134. PETROGRAPHY. (5). Prerequisite, Introductory Geology, Geology 43, 44, Chemistry 1-2-3 or 4-5.

Lectures, laboratory work on the microscopic physiography of the rock-forming minerals; optical mineralogy and the theory of light as applied to the polarizing microscope; minerals as observed in thin rock sections. *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $3.50.* Professor Prouty.

148-149. ADVANCED SUMMER FIELD COURSE IN GEOLOGY. (10).

The nature of this course and the prerequisite courses will be determined by the training and needs of the student.

171-172-173. ADVANCED PALEONTOLOGY. (15).

A study of index fossils, their classification and use. (1935-1936 and alternate years.) These courses may be continued under numbers 174-175-176 as Micro-paleontology. *Three lecture and four laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $3.50 a quarter.* Professor Huddle.

181-182-183. ADVANCED HISTORICAL GEOLOGY. (15). Prerequisite, Introductory Geology.

A study of the principles of historical geology and stratigraphy, the history of stratigraphic geology, the origin of the earth, and the geography, life, and geologic events of the archaeozoic, proterozoic, and paleozoic eras of the earth's history. (1936-1937 and alternate years.) *Five hours a week, fall, winter, and spring quarters.* Professor Huddle.

191, 192, 193. APPLIED GEOPHYSICS. (5 each). Prerequisite, Mathematics through Calculus.

A survey of geophysical methods used for the detection of ore deposits, oil, etc.; a description of geophysical instruments and their use; actual geo-

physical surveys of selected areas about Chapel Hill. *Three lecture and four laboratory hours a week, fall, winter, and spring quarters.* Professor MacCarthy; Assistant.

Geography: Course for Graduates and Advanced Undergraduates

156. ADVANCED WORK IN PHYSIOGRAPHY. (5). Prerequisite, Introductory Geology.

Lectures, field work, and laboratory work, dealing in detail with physiographic processes and their results; geomorphology. An extended field study is required in this course. *Five hours a week, lectures and laboratory, spring quarter. Laboratory fee, $2.00.* Professors MacCarthy, Emory.

Geology or Geography: Course for Graduates and Advanced Undergraduates

141-142-143. ADVANCED FIELD WORK AND SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY. (15).

Problems and work adapted to the special needs of the student. For graduates and specially prepared seniors. Students in this course are expected to keep Saturday open for field work. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Five hours a week, fall, winter, and spring quarters.* Professors Prouty, MacCarthy, Huddle, Emory; Assistants.

Geology or Geography: Courses for Graduates

304-305-306. SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY. (15).

The student is expected to devote six weeks to work in the field, accompanied by the instructor, and to work up his results during the first quarter of the college year. The entire research constitutes three courses. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Equivalent of five hours a week, fall, winter, and spring quarters.* Professors Prouty, MacCarthy, Huddle, Emory.

307-308-309. SPECIAL RESEARCH. (15).

Special Research in economic geology, in historical geology, in paleontology, petrology and petrography, and in geography, two quarters of which must be taken as a seminar course. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Equivalent of five hours a week, fall, winter, and spring quarters.*

The Geological Seminar meets fortnightly for the review and discussion of current geological literature, and for the presentation of original papers.

DEPARTMENT OF GERMANIC LANGUAGES

ADOLF EDUARD ZUCKER, KENT JAMES BROWN, Professors.
*ERNST CHRISTIAN PAUL METZENTHIN, Associate Professor.
WERNER PAUL FRIEDERICH, Instructor.

The courses for advanced undergraduates and graduates offered by the Department of Germanic Languages are designed to meet the needs of three classes of students: those whose interest in language and literature prompts them to pursue their German studies beyond

*Died July 22, 1936.

the undergraduate stage; those who are preparing to teach in schools and private academies; and those who intend to adopt the study of Germanic languages as a profession.

For all of these classes the department offers courses covering different periods of the language and literature. The dialect courses are intended primarily for those who will specialize in Germanic languages.

The department is laying the foundation for a library adequate for research in special fields, notably at present for problems relating to Goethe, for the dramatic work of Kleist, Grillparzer, and Hebbel, for the history of the German novel, the development of the theatre, and for the old Saxon epic, the *Heliand*. A collection of reproductions of pages from Old High German and Old Saxon manuscripts, recently acquired by the library, are at the disposal of the faculty and graduate students.

The critical apparatus is carefully chosen. There are complete bibliographies and full sets of the leading journals. All scholarly editions of important monuments of literature from the Gothic period to the present time are available, as well as many valuable monographs. The latter embody the results of research both in philology and literature.

The Department of Germanic Languages is engaged at present in investigation of problems connected with the Old Saxon Heliand, the Old High German *Evangelienbuch* of Otfried, the bilingual (Latin and Old High German) *Evangelien-Harmonie* of Tatian, Lohenstein, Swiss Pre-Romanticism, Grillparzer, Kleist, and the history of the German theatre.

Requirements for Candidates for Advanced Degrees

In case the preparation of candidates is not adequate in the judgment of the department, the right is reserved to supplement this training by preparatory courses.

Candidates for the master's degree should have, in addition to their special work, a general acquaintance with the history of the German language and literature. Of candidates for the doctor's degree there will be expected a more detailed acquaintance with the history of the language and literature, in addition to the special investigation of some particular period.

In all cases the candidates should have a command of colloquial German, and to this end some residence in Germany.

Courses for Graduates and Advanced Undergraduates

101-102. GOETHE. (10). Prerequisite, German 23.
Study of his life. Reading and interpretation of representative works, including Faust I. Lectures and reports. *Five hours a week, fall and winter quarters.* Professor Brown.

111. GERMAN DRAMA IN THE NINETEENTH CENTURY. (5). Prerequisite, German 23.

Kleist, Grillparzer, Hebbel, Ludwig, Hauptmann. Reading, lectures, reports. (Not given 1936-1937). *Five hours a week.* Professor Brown.

112. LATE MEDIEVAL, RENAISSANCE, AND BAROQUE LITERATURE IN GERMANY. (5). Prerequisite, German 23.
German literature and its cultural background from 1400 to 1700. Extensive outside reading and reports. *Five hours a week, spring quarter.* (1936 and alternate years.) Dr. Friederich.

131. LESSING AND HIS TIME. (5). Prerequisite, German 23.
New trends in German literature from 1700 to 1780. French and English influences. Wieland, Klopstock, Herder. Lectures, translation, and reports. *Five hours a week, fall quarter.* (1936 and alternate years.) Dr. Friederich.

132. SCHILLER. (5). Prerequisite, German 23.
Study of Schiller's life and works with emphasis on his historical dramas. Lectures, translation, and reports. *Five hours a week, winter quarter, alternating with German 142.* Professor Zucker.

141. ROMANTICISM AND YOUNG GERMANY. (5). Prerequisite, German 23.
German literature from 1800 to 1850. Lectures, translation, and reports. *Five hours a week, spring quarter.* Dr. Friederich.

142. GERMAN LITERATURE SINCE 1850. (5). Prerequisite German 23.
A study of later 19th century literature, with emphasis on the naturalistic and neo-romantic movements. Lectures, translation, and reports. *Five hours a week, winter quarter, alternating with German 132.* (Not given in 1936-1937.) Professor Zucker.

151. PRO-SEMINAR. (2½). Prerequisite, German 23.
Discussion of literary genres. Analysis of the styles of different authors. *Two hours a week, fall quarter; if demanded, continued in winter.* Dr. Friederich.

155. GOETHE IN ENGLISH TRANSLATION. (For description see General and Comparative Literature 155.)

161. HISTORY OF THE GERMAN LANGUAGE. (5). Prerequisite, a fair knowledge of written and spoken German.
Development of grammatical forms, pronunciation, writing, and printing of the German language from Gothic down to New High German. Reading of original documents. Comparison with similar developments in English. *Five hours a week, fall quarter.* Professor Metzenthin.

Courses for Graduates

201. GOTHIC. (5).
Selections for translation from the Gothic Bible of Ulfilas. A study of the main principles of Germanic philology. Gothic in its relation to the other Germanic languages, particularly German and English. *Five hours a week, winter quarter.* Professor Metzenthin.

203. OLD HIGH GERMAN. (5). Prerequisite, six courses in German.
Braune's *Althochdeutsche Grammatik;* Braune's *Althochdeutsches Lesebuch. Five hours a week, one quarter on application.* Professor Mezenthin.

207. MIDDLE HIGH GERMAN. (5). Prerequisite, six courses in German.
Middle High German grammar. Wide reading. *Five hours a week, one quarter on application.* Professor Metzenthin.

208. MIDDLE HIGH GERMAN LITERATURE. (5). Prerequisite, one quarter of Middle High German.

Rapid reading of Middle High German lyrics and epics. Emphasis on the literary rather than the linguistic aspects of these works. *Five hours a week, spring quarter, alternating with German 211.* Professor Brown.

210. READING COURSE. (7½).
Designed to give graduate students the background of a survey of German literature. Extensive outside reading. Reports and short connecting lectures. *One hour a week, through the year.* Dr. Friederich.

211. THE ROMANTIC SCHOOL IN GERMANY. (5).
Five hours a week, spring quarter, alternating with German 208. (Not given 1936-1937). Professor Brown.

221. INTRODUCTION TO COMPARATIVE PHILOLOGY. (5). Prerequisite, one classical and one modern foreign language. This course may be elected only after consulting with the instructor.
Theories of the origin and development of human speech. Classification and history of languages. Linguistic history and geography of Europe. *Five hours a week, one quarter on application.* Professor Metzenthin.

223. GERMANIC PHILOLOGY. (5). Prerequisite, advanced English and German.
After a survey of the Indo-European family of languages the pre-historic, primitive Germanic language is explained and from it as their source the various German dialects are traced. *Five hours a week, one quarter on application.* Professor Metzenthin.

225. OLD SAXON. (5).
Introduction to the grammar and syntax of the Old Saxon dialect. Comparison with Gothic, Old High German, and Old English. Study of "Heliand" and "Genesis". *Five hours a week, one quarter on application.* Professor Metzenthin.

341abc. SEMINAR IN GERMAN DRAMA. (9).
In 1936-1937, the works of Kleist. *Three hours a week, through the year.* Professor Zucker.

395. RESEARCH. (5).
Research in a special field under the direction of a member of the department.

DEPARTMENT OF HISTORY

Albert Ray Newsome, Henry McGilbert Wagstaff, William Whatley Pierson, Mitchell Bennett Garrett, Wallace Everett Caldwell, Loren Cary MacKinney, Hugh Talmadge Lefler, Fletcher Melvin Green, Professors. Howard Kennedy Beale, Visiting Professor.

The Department of History has been particularly interested for many years in North Carolina, Southern, American, and Hispanic-American history and has published many books and monographs. Advanced courses and research guidance and facilities are available not only in these fields but also in ancient, medieval, modern European, and English history.

Library and Research Facilities

The department, by reason of its personnel and the rich store of manuscripts and books in the University Library and other convenient research centers, is especially well prepared to offer graduate work in American, Southern, and North Carolina history.

The Library has been able in recent years through endowments, gifts, and the full-time activities of a director and collector to assemble from the entire South a collection of Southern historical manuscripts, pamphlets, and books which offer unexcelled opportunities for graduate study in the history of that region. The collection is growing rapidly and already is one of the most important in the United States.

The North Carolina collection of books, pamphlets, manuscripts and newspapers is the largest existing body of assembled source material relating to the history of the State. It contains the Dr. Stephen B. Weeks collection of more than 10,000 items, and many items and collections obtained through the North Carolina Historical Society, the Kenan-fund for Civil War materials, and the generosity of Mr. John Sprunt Hill of Durham, and others. In the Kidder, Clark, Bridgers, and Howard collections, the Library has a noteworthy group of newspaper materials.

The Peabody collection provides a basis for the study of international law and diplomacy; and recent accessions have been made in English and Hispanic-American history, including, respectively, an incomplete set of Hansard reports and important groups of books, documents and pamphlets.

The University is conveniently located with reference to other research centers, especially the North Carolina Historical Commission and the State Library in Raleigh and the Duke University in Durham, which have large collections of manuscript and printed sources for North Carolina and Southern History. Research facilities are greatly extended by copies of the Library of Congress and Duke University catalogues in the University Library.

History Seminar Room

The history seminar room, equipped with tables and filing cases, is a repository of important newspaper collections. It is the headquarters for graduate students in history and is situated within easy access to the stacks.

Publications

Under the direction of the department, there is published the *James Sprunt Historical Studies.* Established by the late Dr. James Sprunt, of Wilmington, N. C., the publication has at present twenty-two volumes. The contents, it may be noted, have in the main been relative to North Carolina state and colonial history and government, but by recent action its scope has been enlarged to embrace general history and political science. Its pages have been open to students, as well as to specialists.

Courses for Graduates and Advanced Undergraduates

101. PERIOD STUDIES IN GREEK HISTORY. (5).

This course will be devoted to an intensive study of the sources, literature and historical problems of a selected period of Greek History. In 1938, attention will be directed to the history of the Greek World during the Fourth Century B. C. (1938 and alternate years). *Five hours a week, spring quarter.* Professor Caldwell.

102. PERIOD STUDIES IN ROMAN HISTORY. (5).
A course in a selected period of Roman History, given for the same class of students and under the same conditions as History 101. The period to be treated in 1937 will be the Age of Augustus. (1937 and alternate years). *Five hours a week, spring quarter.* Professor Caldwell.

121. MEDIEVAL CIVILIZATION. (5).
An intensive study of the classical cultural heritage and of the evolution of culture during the Middle Ages. Lectures, readings, reports. (1937 and alternate years). *Five hours a week, fall quarter.* Professor MacKinney.

122. SOCIAL-ECONOMIC HISTORY OF THE MIDDLE AGES. (5).
An intensive study of the social and economic life of the Middle Ages. Lectures, readings, reports. (1936 and alternate years). *Five hours a week, fall quarter.* Professor MacKinney.

131. THE PROTESTANT REVOLT. (5).
Europe in the Sixteenth Century. *Five hours a week, fall quarter.* Professor Garrett.

132. THE RISE OF ABSOLUTISM IN EUROPE. (5).
Europe in the Seventeenth Century. *Five hours a week, winter quarter.* Professor Garrett.

133. THE FRENCH REVOLUTION. (5).
An intensive study of the causes, events, and results of the French Revolution. *Five hours a week, fall quarter.* Professor Garrett.

134. THE NAPOLEONIC PERIOD. (5).
Particular attention paid to effects on the states surrounding France and to results in Europe. *Five hours a week, winter quarter.* Professor Garrett.

135. RISE OF DEMOCRACY AND NATIONALISM IN MODERN EUROPE. (5).
Europe from 1815 to 1870, (1938 and alternate years). *Five hours a week, spring quarter.* Professor Garrett.

136. RECENT AND CONTEMPORARY EUROPEAN HISTORY. (5).
The World War and its aftermath. (1937 and alternate years). *Five hours a week, spring quarter.* Professor Garrett.

138. ENGLAND FROM 1603 TO 1760. (5).
The national development and expansion of the British state during the period covered. Lectures, readings. *Five hours a week, fall quarter.* Professor Wagstaff.

139. GREAT BRITAIN FROM 1760 TO THE PRESENT. (5).
Evolution of the British state as shaped by modern forces. Lectures, readings. *Five hours a week, winter quarter.* Professor Wagstaff.

143. THE DIPLOMATIC HISTORY OF THE UNITED STATES. (5).
A course designed to present the experiences of the United States in its relations with other nations from independence to the present time. Lectures, readings, reports. *Five hours a week, spring quarter.* Professor Frazer.

149. THE AMERICAN COLONIES, 1606-1689. (5).
A survey of European backgrounds and a study of the founding of England's continental colonies; their political, social, economic, and cultural development; and their relations to each other and to the British Empire. Lectures, readings, reports. *Five hours a week, fall quarter.* Professor Lefler.

150. THE AMERICAN COLONIES, 1689-1783. (5).
A study of the political, social, economic, and cultural history of the colonies from 1689 through the American Revolution. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Lefler.

151. THE FEDERAL PERIOD, 1783-1815. (5).
A study of the Articles of Confederation, the formation and adoption of the Federal Constitution, the launching of the government, Jeffersonian democracy, the westward movement, and the Second War for Independence. Lectures, readings, reports. *Five hours a week, fall quarter.* Professor Newsome.

152. THE ANTE-BELLUM PERIOD, 1815-1860. (5).
A study of the westward movement, state-rights philosophy, Jacksonian democracy, development of nationalism, controversy over negro slavery, and the causes of the war for Southern Independence. Lectures, readings, reports. *Five hours a week, spring quarter.* Professor Newsome.

153. SECESSION AND CIVIL WAR. (5).
The course deals with the secession movement before 1860, and the important constitutional, political, and economic aspects of the Civil War in the United States. Lectures, readings, reports. *Five hours a week, winter* quarter. Professor Green.

154. THE RECONSTRUCTION PERIOD. (5).
The course deals with the constitutional, political, social, and economic aspects of the period, 1865-1877. Lectures, readings, reports. *Five hours a week, spring quarter.* Professor Green.

155. RECENT AMERICAN HISTORY, 1876-1898. (5).
Emphasis will be placed upon the influence of the Civil War and Reconstruction upon subsequent American history; the war amendments in theory and practice; business and politics; the Granger movement; the currency question; the tariff legislation; the trust problem; foreign relations, the Spanish-American War and its results; party politics; political dissent; and interpretation of democracy. Lectures, textbooks, readings. *Five hours a week, fall quarter.* Professor Pierson.

156. RECENT AMERICAN HISTORY, 1898-1936. (5).
The course deals with the political, constitutional, economic, social, and intellectual problems of the newly industrialized nation and with the history of the foreign relations of the United States as a world power. Lectures, textbooks, readings, reports. *Five hours a week, winter quarter.* Professor Beale.

161. NORTH CAROLINA, 1584-1789. (5).
A survey of the political, social, economic, and cultural development of North Carolina from the first settlements until its entrance into the Federal Union in 1789. Lectures, readings, reports. *Five hours a week, fall quarter.* Professor Lefler.

162. NORTH CAROLINA, 1789-1900. (5).
A survey of political, economic, social, and cultural development in North Carolina since it entered the Federal Union in 1789. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Newsome.

163. THE SOUTH, 1789-1860. (5).
A course dealing with the Southern States with emphasis upon social, economic, and political organization and movements. Lectures, readings, reports. *Five hours a week, fall quarter.* Professor Green.

164. THE SOUTH, 1877-1925. (5).
The course deals with the political, economic, social, and intellectual development of the South since the close of Reconstruction. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Green.

165. HISTORY OF THE WEST. (5).
A study of the westward movement and of frontier civilization in the area now comprising the United States from the time of exploration and settlement to 1815. Lectures, readings, reports. (1938 and alternate years). *Five hours a week, fall quarter.* Professor Newsome.

166. HISTORY OF THE WEST. (5).
A study of the westward movement and of frontier civilization in the United States from 1815 to the opening of the twentieth century. Lectures, readings, reports. (1937 and alternate years). *Five hours a week, fall quarter.* Professor Newsome.

167. ECONOMIC HISTORY OF THE UNITED STATES, 1783-1860. (5).
A study of agriculture, transportation, commerce, manufacturing, and similar aspects of American history, 1783-1860. The influence of economic factors upon social and political life will be discussed. Lectures, readings, reports. (1938 and alternate years). *Five hours a week, spring quarter.* Professor Lefler.

168. ECONOMIC HISTORY OF THE UNITED STATES, 1860-1925. (5).
A particular effort will be made to show the effects upon American life of the great economic revolution which has occurred since the Civil War. Lectures, readings, reports. (1937 and alternate years). *Five hours a week, spring quarter.* Professor Lefler.

170. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES. (Education 143). (5).
The social and educational institutions and practices of the United States are traced through (a) the period of transplanting of European institutions; (b) the period of modifications of institutional life to meet new conditions; and (c) the period of development of a social and an educational system of free common schools, high schools, and higher and technical education. Textbook, lectures, investigations, reports. *Five hours a week, fall and spring quarters.* Professor Knight.

Courses for Graduates

201ab. HISTORIOGRAPHY. (6).
Lectures, conferences, readings, reports. The first quarter will be concerned with methods of research, schools of interpretation, and the interrelation of history with the other social sciences. The second quarter will be a seminar in the history and bibliography of history. Required of all graduate students in history. *Three hours a week, fall and winter quarters.* Professor Caldwell.

220. PRELIMINARIES OF THE AMERICAN REVOLUTION. (5).
A study of the background and causes of the American Revolution. Lectures and reports. (1937 and alternate years). *Five hours a week, spring quarter.* Professor .....

221. THE WAR OF AMERICAN INDEPENDENCE. (5).
A study of its political, social, and economic aspects. Lectures, readings, reports. (1938 and alternate years). *Five hours a week, spring quarter.* Professor .....

271. HISPANIC-AMERICAN HISTORY: The Colonial Period and the Wars of Independence. (5).
A study of the transplantation of Hispanic civilization in language, customs, religion, trade, and political institutions; Indian relations, labor and social conditions; education and industry; the causes and events of the struggles for independence. Lectures, readings. (1936 and every third year). *Five hours a week, winter quarter.* Professor Pierson.

272. HISPANIC-AMERICAN HISTORY: Development of Nationality in South America. (5).
The modern history of Argentina, Brazil, Chile, Uruguay, Paraguay, Peru, Bolivia, and Ecuador. Attention will be directed to the evolution of their

political theory; the struggle for political stability, the exploitation of resources, the diplomatic and commercial relations with the United States and Europe, the international problems of South America, the contemporary progress in politics and society. Lectures, readings. (1938 and every third year). *Five hours a week, winter quarter.* Professor Pierson.

273. HISPANIC-AMERICAN HISTORY: Hispanic North America and the Caribbean Countries. (5).
Emphasis in this course will be placed upon the same general factors as in History 272. Lectures, readings. (1937 and every third year). *Five hours a week, winter quarter.* Professor Pierson.

301abc. ANCIENT HISTORY. (9).
A seminar in some phase of ancient history. *Conference, one hour a week, fall, winter, and spring quarters.* Professor Caldwell.

311abc. MEDIEVAL HISTORY. (9).
A seminar in some phase of medieval social history. *Conference, one hour a week, fall, winter, and spring quarters.* Professor MacKinney.

321abc. MODERN EUROPEAN HISTORY. (9).
A seminar in some phase of the Napoleonic period. *Conference, one hour a week, fall, winter, and spring quarters.* Professor Garrett.

323abc. ENGLISH HISTORY. (9).
A seminar in some selected phase. *Conference and reports, one hour a week, fall, winter, and spring quarters.* Professor Wagstaff.

331abc. AMERICAN COLONIAL HISTORY. (9).
A seminar in some selected phase of the period. *Conference, one hour a week, fall, winter, and spring quarters.* Professor Lefler.

333abc. HISTORY OF THE UNITED STATES, 1783-1860. (9).
A seminar in some phase of the history of the United States, 1783-1860. *Conference, one hour a week, fall, winter, and spring quarters.* Professor Newsome.

335abc. HISTORY OF THE SOUTH. (9).
A seminar in some phase of the history of the South. *Conference, one hour a week, fall, winter, and spring quarters.* Professor Green.

337abc. RECENT UNITED STATES. (9).
A seminar in some phase of the history of the United States since 1876. *Conference, one hour a week, fall, winter, and spring quarters.* Professor Beale.

341. SEMINAR COURSE. (5).
A research course in a special field under the direction of a member of the department.

370abc. HISPANIC-AMERICAN HISTORY. (9).
A seminar in some selected phase. *Conference and reports, one hour a week, fall, winter, and spring quarters.* Professor Pierson.

DEPARTMENT OF MATHEMATICS

ARCHIBALD HENDERSON, JOHN WAYNE LASLEY, JR., ALLAN WILSON HOBBS, EDWARD TANKARD BROWNE, ERNEST LLOYD MACKIE, Professors.

ARTHUR SIMEON WINSOR, JOE BURTON LINKER, Associate Professors.

VINTON ASBURY HOYLE, Assistant Professor.

The subject of mathematics constitutes the foundation upon which the general subject of engineering, in its broader aspects, solidly rests.

This is true of such subjects as electrical, chemical, and mining engineering; more especially, all work in scientific design of structures and in civil engineering depends upon minute and detailed knowledge of mathematical laws and principles.

On the pedagogical side many of the courses, in particular those in pure mathematics, are designed for the student who intends to become a teacher in the schools or a professor in a college or university. In the light of the advance of mathematical science and the wide ramifications of the more modern branches, many courses are offered to enable the student to specialize along a number of different lines. A group of courses permits specialization in the general subject of geometry; another group of courses deals with the broad division of analysis; a third grouping permits specialization in mechanics.

The Resources of the Department

In Phillips Hall are located the departments of Mathematics, Physics, Civil, Electrical, and Mechanical Engineering. This concentration of allied departments in a single building affords exceptional advantages. The lecture halls and seminar rooms, departmental offices convenient for consultation, well-equipped testing rooms and laboratories, and commodious, well-lighted quarters for students in drawing —all are found beneath a single roof. In this building is a group departmental library, rich in works in mathematics—pure and applied —physics, and engineering—civil, electrical, and mechanical. The department now occupies quarters on the second floor of the new wing of Phillips Hall, with class, office, and conference rooms.

Requirements for Advanced Degrees

The courses in the major subjects are to be selected from the courses enumerated and described below, reference being had to the particular degree sought. The courses may be grouped under three main divisions: analysis, geometry, and mechanics. The grouping and order of the courses will be arranged by conference between professor and student, the controlling factors being the previous preparation and training of the student and the particular degree sought.

The courses in the minor subjects, as a rule, will be chosen from the general fields of the allied and related sciences, such as physics, astronomy, and engineering—civil, electrical, and chemical; however, if desired, all of the work may be done in the major subjects.

Courses for Graduates and Advanced Undergraduates

101. ADVANCED PLANE ANALYTIC GEOMETRY. (3). Prerequisite, Mathematics 31-32-33. *Three hours a week, fall quarter.* Professor Henderson.

103. INTRODUCTION TO HIGHER GEOMETRY. (5). Prerequisite, Mathematics 33. *Five hours a week, fall quarter.* Professor Winsor.

104. INTRODUCTION TO ADVANCED ALGEBRA. (5). Prerequisite, Mathematics 25.

This course supplements Mathematics 103. It is designed especially for teachers, and serves to bridge the gap between elementary algebra and Mathematics 246. Selected topics in advanced algebra, including such subjects as linear and quadratic forms, limits and series, complex numbers, elementary groups, etc. *Five hours a week, winter quarter.* Professor Winsor.

111. MATHEMATICAL STATISTICS. (5). Prerequisite, Mathematics 25 or equivalent.

A course dealing with the elementary theory and applications of mathematical statistics, treating in detail the following topics: graphs, averages, dispersion, skewness, sampling, probable error, frequency curves and correlation. The course is designed to serve as a background for students dealing with statistical and observational data. *Five hours a week, spring quarter.* Professor Hill.

121. THEORETICAL MECHANICS. (5).

An introductory course in mechanics employing the methods of the calculus. *Five hours a week, spring quarter.* Professor Linker.

131. THEORY OF EQUATIONS. (5). Prerequisite, Mathematics 25.

Indispensable for students intending to prosecute studies in the higher branches of pure mathematics. Such subjects as the solution of equations of higher degree, transformations, determinants, elimination, invariants and covariants, and symmetric functions are treated in detail. The student is afforded a survey of the general problem and the basic principles of the formation, handling, and evolution of equations. *Five hours a week, winter quarter.* Professor Hoyle.

141. DIFFERENTIAL EQUATIONS. (5). Prerequisite, Mathematics 24 and 25, or 24E and 25E.

This is a course both for students intending to specialize in mathematics and for students in advanced engineering, civil, electrical, and chemical. Among the subjects treated are singular solutions, applications to mechanics, geometry, and physics, linear equations with both constant and variable coefficients, equations involving more than two variables, partial differential equations, and spatial forms. *Five hours a week, fall quarter.* Professor Linker.

151. PROJECTIVE HOMOGENEOUS COÖRDINATES AND THEIR APPLICATIONS. (5). Prerequisite, Mathematics 25.

A study of the general homogeneous coördinates of forms of one, two, three, and four dimensions; cross ratio and its properties; ideal elements; duality; projective correspondence; transformation of coördinates; the elements of line geometry. *Five hours a week, fall quarter.* Professor Lasley.

152. ANALYTIC PROJECTIVE GEOMETRY. (5). Prerequisite, Mathematics 151.

The projective theory of binary forms; the conic as a rational curve; the conic as a ternary form; the conic from the viewpoint of the theory of correlations; functional determinants and invariants; selected topics from higher geometry. *Five hours a week, winter quarter.* Professor Lasley.

161. ANALYTIC GEOMETRY OF SPACE. (5). Prerequisite, Mathematics 25.

Spatial relations are treated from the analytic standpoint. Deals with quadric surfaces, envelopes, foci, quadriplanar and tetrahedral coördinates, developable surfaces, curves in space, curvature of surfaces, higher surfaces, etc. *Five hours a week, spring quarter.* Professor Henderson.

171. ADVANCED CALCULUS. (5). Prerequisite, Mathematics 25.

This course completes and rounds out the subject as given in Mathematics 25. Stress upon rigor in demonstration. Designed to meet the particular needs of the class, e.g., problem course on study of special functions. Thorough knowledge of calculus is the aim of the course. *Five hours a week, spring quarter.* Professor Mackie.

Courses for Graduates

206. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE. (5). Prerequisite, Mathematics 131, 141, and 171.

Complex numbers, differentiation and integration, conformal mapping, linear fractional transformations, single and multiple valued functions. *Five hours a week, winter quarter.* Professor Henderson.

211. VECTOR ANALYSIS. (5). Prerequisite, Mathematics 121, 141, and 161, or equivalent.

A study of vector analysis with applications to mechanics, physics, and geometry. (1938 and alternate years.) *Five hours a week, winter quarter.* Professor Hobbs.

216. DYNAMICS. (5). Prerequisite, Mathematics 211.

Differential equations of motion, equations of orbits, D'Alembert's principle, motion of a rigid body. (1938 and alternate years.) *Five hours a week, spring quarter.* Professor Hobbs.

221. PARTIAL DIFFERENTIAL EQUATIONS. (5). Prerequisite, Mathematics 141.

An elementary treatment of partial differential equations with special emphasis upon applications. *Five hours a week, fall quarter.* Professor Hobbs.

226. FOUNDATIONS OF GEOMETRY. (5). Prerequisite, Mathematics 151.

A course designed to meet the needs of students experienced in mathematical thinking. A survey of the contributions of Pasch, Peano, Hilbert, and their school to our knowledge of the foundations of geometry; a study of the axioms, of systems of geometry, etc. *Five hours a week, winter quarter.* Professor Henderson.

231. THEORY OF NUMBERS. (5). Prerequisite, Mathematics 131.

An elementary course in the study of the properties of the rational integers, including the study of the question of divisibility, greatest common divisor of two or more integers, solution of simple congruences, quadratic residues, quadratic reciprocity law, representation of integers by quadratic forms, equivalence of quadratic forms, etc. *Five hours a week, winter quarter.* Professor Browne.

236. HIGHER PLANE CURVES. (5). Prerequisite, Mathematics 152.

A course dealing with plane curves, particularly conics, cubics, and quartics; polarity, Plücker formulas, curves of Hesse, Steiner, and Cayley; classification of cubics, intersections of curves, singularities of curves, unicursal curves. *Five hours a week, spring quarter.* Professor Lasley.

241. LIE THEORY OF DIFFERENTIAL EQUATIONS. (5). Prerequisite, Mathematics 141.

A study of differential equations from the point of view of continuous groups. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Hobbs.

246. MODERN HIGHER ALGEBRA. (5). Prerequisite, Mathematics 131.

Polynomials and their fundamental properties, determinants, theory of linear dependence, linear equations, matrices, invariants, bilinear and quadratic forms. *Five hours a week, fall quarter.* Professor Browne.

247. THE THEORY OF MATRICES. (5). Prerequisite, Mathematics 131, 246, and general maturity in Mathematics.

A course in the advanced theory of matrices, including a study of elementary divisors, invariant factors, the various canonical forms of a matrix, the canonical reduction of pencils of matrices, and the solution of matric equations. (1938 and alternate years.) *Five hours a week, winter quarter.* Professor Browne.

251. ELEMENTS OF NON-EUCLIDEAN GEOMETRY. (5). Prerequisite, Mathematics 151.

The subject is treated chronologically. The contributions of Saccheri, Bolyai, Lobachewsky, Riemann, Cayley, Klein are studied, analyzed, and compared. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Henderson.

256. ALGEBRAIC INVARIANTS. (5). Prerequisite, Mathematics 131 and 152.

An introduction to the non-symbolic theory of invariants of binary forms with applications to geometry, followed by an explanation of the symbolic notation of Clebsch with practice in its use. Based on Dickson's *Algebraic Invariants.* (1937 and alternate years.) *Five hours a week, winter quarter,* Professor Browne.

261. DIFFERENTIAL GEOMETRY. (5). Prerequisite, Mathematics 141 and 152.

A study of the metric differential geometry of curves, surfaces, and curves on surfaces, systems of curves defined by differential equations, surfaces given by two quadratic differential forms. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Lasley.

266. THEORY OF FUNCTIONS OF A REAL VARIABLE. (5). Prerequisite, Mathematics 131 and 171.

The real number system from the standpoint of Cantor and Dedekind, elementary theory of point sets, limits, series, implicit functions, Riemann and Lebesgue integrals. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Mackie.

271. INTRODUCTION TO THE THEORY OF RELATIVITY. (5). Prerequisite, Mathematics 121 and 141.

In this course the essential features of the special and general relativity theories of Einstein are set forth from the mathematical point of view. Particular study is made of the Lorentz transformation and of the three crucial tests of the theory. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Henderson.

272. TENSOR ANALYSIS. (5). Prerequisite, Mathematics 141 and 271.

A study of transformations of coördinates and tensor invariants under such transformations. Especial attention is paid to the application of tensors to the study of differential geometry and relativity theory. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Hoyle.

273. ADVANCED RELATIVITY THEORY. (5).

Restricted relativity, with applications to physical and electrical problems. General relativity and gravitation. Geodesics and curvature in space-time. Cosmological speculations as to a finite, unbounded universe, and also an expanding universe. Theories of Einstein, DeSitter, Eddington, and LeMaitre. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Henderson.

281. CALCULUS OF VARIATIONS. (5). Prerequisite, Mathematics 266.

A study of various kinds of minimizing problems, determining functions which minimize certain definite integrals. Isoperimetric problems. Necessary

conditions for an extreme as deduced by Euler, Weierstrass, Legendre, and Jacobi, and conditions sufficient to insure such an extreme. (1937 and alternate years.) *Five hours a week, fall quarter.* Professor Mackie.

286. PROJECTIVE DIFFERENTIAL GEOMETRY. (5). Prerequisite, Mathematics 152 and 261.

A study of the projective properties of curves and ruled surfaces by means of the invariants and covariants of systems of homogeneous differential equations. *Five hours a week, spring quarter.* Professor Lasley.

291. INTRODUCTION TO THE THEORY OF FINITE GROUPS. (5). Prerequisite, Mathematics 131.

Deals with the theory of substitutions in general, and as applied to the algebraic equation. Simple and compound groups, transitivity and primitivity. Cyclic and linear groups, linear fractional substitutions, etc. Numerous applications in algebra and geometry. *Five hours a week, spring quarter.* Professor Henderson.

SEMINARS AND THESES. (5 each).

Reading and research in mathematics conducted by members of the department, as follows:

351. Thesis work and Seminar. Professor Henderson.
356. Thesis work and Seminar. Professor Lasley.
361. Thesis work and Seminar. Professor Hobbs.
366. Thesis work and Seminar. Professor Browne.
371. Thesis work and Seminar. Professor Winsor.
376. Thesis work and Seminar. Professor Mackie.

DEPARTMENT OF MUSIC

Glen Haydon, Professor.

Benjamin Franklin Swalin, Associate Professor.

Jan Philip Schinhan, Earl Anderson Slocum, Assistant Professors.

Graduate work in Music is designed to meet the needs of three classes of students: (1) those who intend by intensive study and research to specialize in musicology; (2) those who are teachers or who are preparing to teach; (3) those who desire a knowledge of music for cultural purposes.

1. Intensive study and research are made possible through advanced lecture courses, seminars, the library equipment of books, music, reprints of old manuscripts, current musicological publications, recordings, and the laboratory facilities afforded by the departmental equipment of instruments, musical organizations, etc., which are available for experimental or demonstration purposes. Unusual materials are made accessible through the inter-library loan system and the photographic institutes of the leading libraries in this country and abroad.

2. In view of the constantly increasing demand for well-trained teachers in secondary schools, colleges, and universities, courses are offered designed in content and method to meet this demand.

3. The department aims also to coöperate with other departments in the University for cultural and scientific ends.

Courses for Graduates and Advanced Undergraduates

101-102-103. MUSICOLOGY. (9). Prerequisite, a reading knowledge of one or more of the important foreign languages, a fair knowledge of musical theory, and some skill in practical applied music.

A study of the problems and methods in the various fields, historical and systematic, of musical research. *Three hours a week, fall, winter, and spring quarters.* Professor Haydon.

124. MUSICAL IMPRESSIONISM. (3). Prerequisite, Music 24-25-26 and 44-45-46.

A critical analysis of representative works of composers of the impressionistic movement in music. An effort will be made to correlate the movement in music with analogous developments in the other arts. *Three hours a week, fall quarter.* Professor Swalin.

125. MUSICAL EXPRESSIONISM. (3). Prerequisite, Music 24-25-26 and 44-45-46.

The study of certain twentieth century tendencies in musical composition. *Three hours a week, winter quarter.* Professor Swalin.

126. MODERN FRENCH COMPOSERS. (3). Prerequisite, Music 24-25-26 and 44-45-46.

The French composers Franck, Faure, Chausson, Massenet, D'Indy, and Saint-Saëns. *Three hours a week, spring quarter.* Professor Swalin.

161-162-163. FREE COUNTERPOINT, CANON AND FUGUE. (9). Prerequisite, Music 61-62-63.

A study of contrapuntal procedure with particular reference to the style of Bach. *Three hours a week, fall, winter, and spring quarters.* Professor Slocum.

174-175-176. ANALYSIS AND COMPOSITION IN THE LARGER FORMS. (9). Prerequisite, Music 74-75-76.

Three hours a week, fall, winter, and spring quarters. Professor Schinhan.

Courses for Graduates

201. SPECIAL STUDIES. (To be arranged).

The Department is ready to assist and advise competent graduate students who may propose plans for either research or creative work which meet with its approval. Hours and credit to be arranged. The staff, Professor Haydon in charge.

301-302-303. SEMINAR. MUSICOLOGY. (9).

Special topics or fields of study will be selected for each quarter after consultation with the class. *Three hours a week* (to be arranged), *fall, winter, and spring quarters.* Professor Haydon.

DEPARTMENTS OF PATHOLOGY AND BACTERIOLOGY

JAMES BELL BULLITT, DANIEL ALLEN MACPHERSON, Professors.

The following courses are accepted as satisfying requirements for minors in programs of study having majors in certain other sciences.

161abc. PATHOLOGY. Prerequisite, Histology, Bacteriology, and Physiology. (17½). Credit in the Graduate School: 3 courses.

Embraces a consideration of general and special pathology from the chemical and physiological as well as the morphological aspects. Lectures and recitations are combined with laboratory work in a study of both gross and micro-

scopical preparations. Each student is supplied with a set of "loan" sections (about 200) which form the basis of the study. This is supplemented by the use of a considerable number of special demonstration sections. A series of practical examinations is held, in which each student is required to diagnose the process and describe the salient features in about fifty "unknown" sections. *Six hours a week, fall quarter; eight hours a week, winter quarter; twelve hours a week, spring quarter.* Professor Bullitt.

164. PATHOGENIC BACTERIOLOGY. Prerequisite, Chemistry, 1, 2, 3, 31, 61, 162, and one course in biology. (10). Credit in the Graduate School: 1 course.

The early weeks of the course are devoted to a thorough grounding in the fundamental principles of bacteriology. Each student prepares the various culture media in common use; cultivates and describes several non-pathogens from stock cultures; and practises the more useful staining methods. Pure cultures are isolated from air and water and their biology studied. The major portion of the course is devoted to the detailed study of the pathogens. Unknown mixtures are used to test the student's ability to differentiate organisms of the various groups. Practical applications of bacteriology in the diagnosis of disease are stressed by the examinations of sputa, pus, feces, and blood. Animal inoculations are made to demonstrate the process of infection and the differentiation of certain organisms. Lectures cover all the more important diseases. *Fifteen hours a week (lectures and laboratory), spring quarter. Laboratory fee, for non-medical students, $6.00.* Professor MacPherson.

165. INFECTION, IMMUNITY, AND SERUM DIAGNOSIS. Prerequisite, Bacteriology 134. (5). Credit in the Graduate School: 1 course.

The early laboratory work is designed to demonstrate the basic principles of immunology and serology. Practical training is given in the production and use of agglutinins, precipitins, lysins, and complement fixing antibodies. Vaccines are prepared, and their use demonstrated. The preparation and standardization of antimicrobic and antitoxic sera are studied. Anaphylaxis and allergy are produced in animals, and methods of diagnosis and desensitization practiced. The student is required to prepare his own materials and to inject and bleed animals himself. Special attention is given to the use of these principles in the diagnosis of blood stains, blood grouping, typhoid fever, typhus fever, diphtheria, tuberculosis, hay fever, gonorrhea, and syphilis. Unknown specimens test the student's ability to use the reactions. Lectures consider the principles of infection, immunity, and resistance. *Nine hours a week (lectures and laboratory), fall quarter. Laboratory fee for non-medical students, $10.00.* Professor MacPherson.

166. PUBLIC HEALTH AND HYGIENE. Prerequisite, Bacteriology 132. (3). Credit in the Graduate School: ½ course.

Lectures and quizzes on the sources, mode of spread, and control of communicable diseases; ventilation; water and sewage purification; soil pollution; hygiene of foods; carriers; and insect vectors. *Three hours a week, winter quarter.* Professor MacPherson.

167. ADVANCED BACTERIOLOGY. Prerequisite, Bacteriology 132 or its equivalent. (5½). Credit in the Graduate School: 1 course.

Opportunity and facilities are offered to qualified students to pursue advanced work in bacteriology and immunology. *Hours arranged.* Professor MacPherson.

DEPARTMENT OF PHARMACOLOGY

WILLIAM DEBERNIERE MACNIDER, Professor.

The following courses are accepted as satisfying requirements for minors in programs of study having majors in certain other sciences.

171-172. PHARMACOLOGY. (12½). Credit in the Graduate School: 2 courses. Prerequisite, Biochemistry and Physiology.

The course in Pharmacology extends throughout the second year of the medical curriculum. The character of the work permits a division of the course into three parts: (a). A consideration of the ways in which drugs may affect the organisms. This introduction embraces a discussion of the various physio-chemical forces influencing drug activity, and the modification of the action of these conditions in different pathological states of the organism, such, for instance, as febrile conditions and various metabolic disturbances. (b). A general study of the pharmacology of the important drugs. The drugs are considered in groups depending upon their predominant effect in the body. The student learns the preparation, their dose, physiological incompatibilities, and considers in detail the way in which the drugs act as pharmacological agents. The symptoms and treatment of poisoning are considered following the discussion of the pharmacology of the group. (c). A consideration of the pharmacology of the drugs in the pathological animal, with a discussion of the modification of drug activity in various pathological states. In conjunction with this study emphasis is given to the use of drugs as therapeutic agents and a study is made employing such remedies as are indicated in the form of a prescription. Students are required to write prescriptions, which are then subjected to the criticism of various members of the class and the instructor. *Five hours a week, fall and winter quarters.* The laboratory: Pharmacodynamics. This part of the general course in pharmacology consists in a careful and accurate study of the action of practically all of the more important drugs on animals. For this work, the higher animals, such as the cat and dog, are chiefly used. The class is divided into groups of two or four, and the experimental work is conducted by the student. Each student is required to hand in to the instructor at the completion of the course a laboratory notebook containing a detailed account of each experiment, and explanation of the results obtained, and the tracings made during the experiment. Oral and written recitations are frequently held. *Five laboratory hours a week, fall and winter quarters.* Professor MacNider.

173. ADVANCED PHARMACOLOGY. (5). Credit in the Graduate School: 1 course. Prerequisite, Biochemistry and Physiology and Pharmacology 171-172.

Two types of courses will be offered: (a) an experimental study of the action of various drugs upon the normal animal, (b) an experimental study of the action of various drugs and other agencies upon the pathological animal. *Hours by arrangement.* Professor MacNider.

SCHOOL OF PHARMACY

JOHN GROVER BEARD, HENRY MATTHEW BURLAGE, Professors.
MARION LEE JACOBS, Associate Professor.

The School of Pharmacy offers graduate courses in three major fields that lead to the degree of Master of Science in Pharmacy. Admission to candidacy for these courses presupposes the completion of a standard four-year curriculum in pharmacy in the University, or in other universities or colleges having pharmaceutical curricula

acceptable to the Graduate School. The master's degree may ordinarily be obtained in one year after the conferring of the bachelor's degree. The major fields are pharmacy, pharmaceutical chemistry, materia medica, and pharmacognosy.

Instruction is mainly along the lines of research and is given by means of lectures, recitations, and seminars combined with appropriate work in laboratories.

The profession of pharmacy provides several opportunities to men or women who have been prepared properly by basic and technical training to qualify for the varied responsibilities involved. These opportunities include manufacturing pharmacy or pharmaceutical chemistry, government service in the medical sciences; teaching; and investigative work for certain foundations engaged in pharmaceutical research.

The School of Pharmacy occupies exclusively a building containing thirty-five rooms and 22,000 sq. ft. of floor area. Its departmental library and laboratory facilities are well adapted to graduate instruction but free use is nevertheless made of the library and laboratory facilities offered to students of pharmacy by the Departments of Botany, Chemistry, Pharmacognosy, Pharmacology, Physiology, and by the University Library. In addition, students majoring in materia medica find available in the Arboretum and medicinal plant garden which adjoin Howell Hall of Pharmacy abundant source material for study and research.

Materia Medica and Pharmacognosy

Courses for Graduates

391-392-393. RESEARCH IN MATERIA MEDICA AND PHARMACOGNOSY. (15).

These advanced courses consist of laboratory work, conferences with the major professor, and library investigations relating to research. The professor in charge is responsible for the assignment and approval of the subject and character of the thesis. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professors Beard, Totten.

Pharmaceutical Chemistry

Courses for Graduates and Advanced Undergraduates

171. ORGANIC PHARMACEUTICAL CHEMISTRY. (5). Prerequisite, Pharmaceutical Chemistry 62-63, or equivalent.

A study of the more important medicinal plant products and synthetic drugs. The laboratory work will consist of the isolation, purification, and identification of plant constituents and the synthesis of simple organic medicinal compounds. *Two lecture and six laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Professor Jacobs; Assistant.

172. PHARMACEUTICAL ANALYSIS. (5). Prerequisite, Pharmaceutical Chemistry 64, or equivalent.

A laboratory course supplemented by lectures emphasizing the more advanced and special assay methods of the *United States Pharmacopoeia* and *National Formulary. Two lecture and six laboratory hours a week, winter quarter. Laboratory fee, $10.00.* Professor Jacobs; Assistant.

173. FOOD AND DRUG ANALYSIS. (5). Prerequisite, Pharmaceutical Chemistry 172, or equivalent.

A laboratory and lecture course dealing with the methods employed by government laboratories to control food and drug products. *Two lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Professor Jacobs; Assistant.

Courses for Graduates

241-242-243. ADVANCED PHARMACEUTICAL CHEMISTRY. (15). Prerequisite, Pharmaceutical Chemistry 71, or equivalent.

A chemical study of the medicinal plant products and synthetic organic drugs, with readings and discussions in this field. *Two lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00. a quarter.* Professor Jacobs.

361-362-363. SEMINAR. (3).

Required of all graduate students. *One hour a week, fall, winter, and spring quarters.* Members of the Staff.

391-392-393. RESEARCH IN PHARMACEUTICAL CHEMISTRY. (15).

Statements regarding Materia Medica 391-392-393 apply to this course. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Jacobs.

Pharmacy

Courses for Graduates and Advanced Undergraduates

191, 192, 193. (15). CRITICAL STUDIES OF DISPENSING PROBLEMS, OFFICIAL PREPARATIONS, AND THEIR ASSAY.

Two lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $7.50 a quarter. Members of the staff.

Courses for Graduates

261-262-263. ADVANCED MEDICINAL PLANT PRODUCTS AND THEIR PREPARATIONS. (15). Prerequisite, Pharmacy 162 or equivalent

A continuation of Pharmacy 162 with special emphasis on and problems dealing with the more complex medicinal plant products, with readings and discussions of the recent advances in this line of work. *Two lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Burlage.

351-352-353. SEMINAR. (3).

Required of all graduate students. Reports and discussions relating to recent advances in all branches of pharmacy and related sciences. *One hour a week, fall, winter, and spring quarters.* Members of Staff.

391-392-393. RESEARCH IN PHARMACY. (15).

Statements regarding Materia Medica 391-392-393 apply to this course. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Burlage.

DEPARTMENT OF PHILOSOPHY

HENRY HORACE WILLIAMS, Professor.
STEPHEN ALBERT EMERY, Associate Professor.
LOUIS OSGOOD KATSOFF, Instructor.
FRANCIS FOSTER BRADSHAW, Lecturer.

Attention is called to the two Graham Kenan Fellowships in Philosophy, which yield $700.00 annually and which may be held by one person for several years. The department will be interested in hearing from anyone who desires to pursue the study of philosophy until some positive and lasting result is reached.

Courses for Graduates and Advanced Undergraduates

121. KANT. (5). Prerequisite, Philosophy 57.
A study of Kant's Critical Philosophy, as rooted in eighteenth century Empiricism and Rationalism, and as initiating German Idealism. Lectures, reading, and discussion. *Five hours a week, spring quarter.* Professor Emery.

131-132-133. LOGIC AND CIVILIZATION. (15).
The purpose of this course is to show how intelligence works both in the individual and in the currents of thought which constitute civilization. The student will be furnished a kit of tools with which to solve some of the problems which will confront him in living his own life and understanding the world about him. *Five hours a week, fall, winter, and spring quarters.* Mr. Katsoff.

134, 135. AN INTRODUCTION TO SYMBOLIC METHODS OF THOUGHT. (5 each).
This course recognizes the inadequacy of ordinary language to express propositions with logical rigor. It develops the new symbolic approach to logical analyses and problems and the application of such methods in the various sciences. The logic of classes, propositions, propositional functions, modal systems and the nature of implication are discussed. Credit for 134 without 135, but 134 is prerequisite for 135. *Five hours a week, winter and spring quarters.* Mr. Katsoff.

141. THE LOGIC OF MATHEMATICS. (5).
An analysis of the fundamental concepts of mathematics. The logical development of mathematics. The place of mathematics in the structure of the Universe. The fundamental logical categories involved in mathematics. Recent controversies on the foundations of mathematics. *Five hours a week, fall quarter.* Mr. Katsoff.

142. THE LOGIC OF THE PHYSICAL AND BIOLOGICAL SCIENCES. (5).
The logical categories involved in physics and biology and their role in the development of these sciences. The general nature of the scientific inference and its relation to logic. Fundamental concepts are analyzed and related to the logical categories. *Five hours a week, spring quarter.* Mr. Katsoff.

171, 172, 173. ETHICS. (5 each).
A survey of ethics, historical and contemporary. The first quarter is concerned with the beginnings of ethical standards in the historical religions of the world and the subsequent development of ethical theory. The second quarter traces the contributions to the theory of values made by the scientific de-

velopments of the last two centuries. The third quarter is devoted to contemporary ethical problems, economic, political, and personal; and the logical foundation of ethical theory. Lectures, discussion, and directed reading. *Five hours a week, fall, winter, and spring quarters.* Dean Bradshaw.

Courses for Graduates

224-225-226. KANT. (15).
An intensive study of the *Critique of Pure Reason* with important commentaries, in the light of Kant's whole philosophy and its historical context. *Five hours a week, fall, winter, and spring quarters.* Professor Emery. (Not given 1936-1937).

227-228-229. STUDIES IN HEGEL. (15).
This course aims to consider Hegel's system as grounded in the *Logik* and exhibited in the *Phenomenologie. Five hours a week, fall, winter, and spring quarters.* Professor Williams.

301-302-303. SEMINAR IN PHILOSOPHY. (3 each).
Conducted by the Department. Hours and subjects are arranged at the beginning of the year.

311. SPECIAL READINGS. (5).
Reading in a special field under the direction of a member of the Department.

DEPARTMENT OF PHYSICS

ARTHUR EDWARD RUARK, OTTO STUHLMAN, JR., EARLE KEITH PLYLER, Professors.

JOHN ARCHIBALD WHEELER, Assistant Professor.

The demand for versatile physicists holding the Ph.D. degree exceeds the supply, and initial salaries are usually somewhat higher than those available to men of corresponding ability in other fields of science. Graduate work in physics should be particularly attractive to men who have done their undergraduate work in engineering, since engineering physicists are coming rapidly to the front in technical organizations. Opportunities in the government service and in college teaching, for those who are principally interested in scholarly research, are far from exhausted, although in these fields the financial compensation is customarily less than in industrial positions.

Graduate courses are arranged in a two year cycle. Candidates for the master's degree are encouraged to remain two years, in which time they can earn credits in excess of those required for the degree. It is possible to obtain the master's degree in three quarters but this involves very concentrated effort, so that usually a candidate prefers to spend at least three quarters on course work and another quarter on the thesis.

Prospective candidates should obtain a course in differential equations and should prepare themselves to read scientific French or German, during their undergraduate work.

The graduate courses are designed to give a broad understanding of the subject, with proper balance between classical physics and quantum physics, and between theoretical and experimental studies.

No attempt is made, in course work, to train highly specialized technicians, because of our belief that detailed techniques can easily be acquired by the individual when he needs them. Candidates for the Ph.D. degree are encouraged to perform several researches, preferably in different fields, with corresponding remission of formal course work. Graduate students are expected to present papers before a colloquium held every two weeks. In alternate weeks there is a joint colloquium, held in coöperation with the Department of Physics of Duke University, and addressed by members of the two faculties of physics.

The student whose major is in another science will find here a group of subjects from which to choose a minor of real utility in his professional work.

With the permission of the faculty, holders of the Ph.D. degree in physics may use the research facilities of the department during the summer sessions, the only charges being those for material consumed.

The department is housed in Phillips Hall. The fields of research cultivated here are nuclear physics and radioactivity, infra-red spectra, and spectral intensities in the visible and ultra-violet. Excellent apparatus is available for work in these fields and there is a well-equipped shop, supervised by a skilled instrument maker. The researches of the department are published principally in *The Physical Review, The Journal of Chemical Physics,* and *The Review of Scientific Instruments.* The departmental library, located in Phillips Hall, is rich in long series of the leading physical and mathematical journals. A recent gift from the General Education Board makes this library particularly useful to students of atomic and molecular physics.

One teaching fellowship and several graduate assistantships are available.

Courses for Graduates and Advanced Undergraduates

101. INTRODUCTION TO MATHEMATICAL PHYSICS. (5). Prerequisite, Calculus, and one of the following: Physics 52, 53, 55, 56.

Mathematical treatment of dynamics, statistical mechanics, thermodynamics, and electricity. Text: Page, *Introduction to Theoretical Physics.* (1937 and alternate years.) *Five hours a week, fall quarter.* Professor Plyler.

110. PHYSICAL MECHANICS. (5). Prerequisite, Calculus, and one of the following: Physics 52, 53, 54, 56.

Lectures, problems. Text: Lindsay, *Physical Mechanics.* Required of all candidates for advanced degrees in physics. *Five hours a week, fall quarter.* Professor Stuhlman or Professor Plyler.

120. HEAT AND INTRODUCTORY THERMODYNAMICS. (5). Prerequisite, Calculus, and one of the following: Physics 52, 53, 55, 56.

More advanced and detailed than Physics 56, with emphasis on theory rather than experiment. Conduction of heat, kinetic theory, and thermodynamics. Text: Saha and Srivastava, *Heat.* (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Plyler.

140. ELECTRICITY AND MAGNETISM. (5). Prerequisite, Calculus, and one of the following: Physics 52, 53, 55, 56.

Electrostatics, electrodynamics, and magnetic phenomena. Text: Page and Adams, *Principles of Electricity.* (1938 and alternate years.) *Five hours a week, winter quarter.* Professor Plyler.

141. ADVANCED ELECTRICITY AND MAGNETISM. (5). Prerequisite, Calculus, and Physics 140.

Continuation of Physics 140, with laboratory work, including high frequency measurements. Text: Page and Adams, *Principles of Electricity.* (1938 and alternate years.) *Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, $3.00.* Professor Plyler.

150. PHYSICAL OPTICS. (5). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.

Diffraction, interference, polarization, resonance radiation, scattering, emission and absorption; the electromagnetic theory of light. Text: Wood, *Physical Optics.* (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Wheeler.

153. OPTICS. (5). Prerequisite, Physics 21-22-23 or 24-25.

Identical with Physics 53, except that additional laboratory work and problems are required of graduate students enrolling in 153. (1937 and alternate years.) *Four lecture and four laboratory hours a week, fall quarter. Laboratory fee, $3.00.* Professor Stuhlman.

160. ELECTRONICS AND ATOMIC PHYSICS. (5). Prerequisite, Calculus, and one of the following: Physics 52, 53, 55, 56.

Ionization phenomena; the electron and other elementary particles, photoelectric effect, thermionics, isotopes, elementary quantum theory, absorption and emission of radiant energy, Zeeman and Stark effects, X-rays, wave properties of matter, radioactivity. Text: Harnwell and Livingood, *Experimental Atomic Physics. Five hours a week, winter quarter.* Professor Stuhlman.

161. RADIOACTIVITY. (5). Prerequisite, Calculus, and one of the following: Physics 52, 53, 55, 56.

Radioactive elements and their radiations; neutrons, positrons, artificial disintegration; artificially radioactive elements; their use as chemical indicators; cosmic rays. Text: Rutherford, Chadwick, and Ellis, *Radioactive Substances and their Radiations.* (1936 and alternate years.) *Three lecture and two laboratory hours a week, fall quarter.* Professor Wheeler.

170. X-RAYS. (5). Prerequisite, Calculus, Physics 53, 55, and 160, except by permission.

Optical properties of X-rays, absorption and scattering, X-ray spectra, energy levels, and transition probabilities; crystal structure determination with X-rays and electron waves; industrial applications. Text: Compton and Allison, *X-rays in Theory and Experiment.* (1938 and alternate years.) *Five hours a week, spring quarter.* Professor Ruark.

Courses for Graduates

201. BOUNDARY PROBLEMS IN CLASSICAL PHYSICS. (5). Prerequisite, Mathematics 141, 171; Physics 140, and either 101 or 110; Mathematics 221 is desirable.

Unified treatment of the partial differential equations of physics; their solution by orthogonal functions; potential theory; operational methods; integral equations. Text: Webster, *Partial Differential Equations of Mathematical Physics.* (1937 and alternate years.) *Five hours a week, fall quarter.* Professor Ruark.

210. HYDRODYNAMICS, ELASTICITY AND ACOUSTICS. (5). Prerequisite, Mathematics 141; Physics 101 or 110.

General principles and their application to simple problems. Insight is sought, rather than exhaustive knowledge. (1938 and alternate years.) *Five hours a week, winter quarter.* Professor Ruark.

220. KINETIC THEORY. (5). Prerequisite, Mathematics 141; Physics 120, except by permission.

Ideal gases, Maxwell's law, conduction in gases, viscosity, flow in tubes. Text: Loeb, *Kinetic Theory of Gases.* (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Plyler.

221. STATISTICAL MECHANICS. (5). Prerequisite, Mathematics 141 or 171; Physics 101 or 110.

Classical and quantum statistics; applications of the latter; fluctuation phenomena. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Ruark.

222. THERMODYNAMICS. (5). Prerequisite, Mathematics 141; Physics 120, except by permission.

Continuation of Physics 120 with numerous applications. Free energy, Nernst heat theorem, equilibria, applications to solutions and systems with several variables. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Plyler.

240. THEORY OF ELECTRICITY AND MAGNETISM. (5). Prerequisite, Mathematics 141; Physics 140, 141.

Solution of electrostatic problems by conjugate functions and spherical harmonics. Steady states and transients in networks and cables. The field equations; moving charges, radiation. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Ruark.

260. ATOMIC AND MOLECULAR STRUCTURE. (5). Prerequisite, Calculus; Physics 53 (or 153); 101 or 110; 160; except by permission.

Experimental foundations of quantum mechanics; elementary wave mechanics; quantum interpretation of atomic and molecular spectra. Text: Ruark and Urey, *Atoms, Molecules, and Quanta.* (1938 and alternate years.) *Five hours a week, spring quarter.* Professor Wheeler.

261. QUANTUM MECHANICS, PART I. (5). Prerequisite, Mathematics 141; Physics 260. Mathematics 221 is desirable.

General methods of quantum mechanics, perturbation theory; detailed study of atomic spectra; scattering problems; dispersion theory. (1936 and alternate years). *Five hours a week, fall quarter.* Professor Ruark.

262. QUANTUM MECHANICS, PART II. (5). Prerequisite, Physics 261.

Statistical methods of treating atomic and molecular problems; relativistic quantum mechanics of the electron; absorption and emission of radiation; quantum theory of the electromagnetic field. Text: Frenkel, *Wave Mechanics, Vol. II.* (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Wheeler.

263. BAND SPECTRA. (5). Prerequisite, Mathematics 141, Physics 160.

Experimental methods; theoretical study of diatomic and polyatomic molecules as revealed by molecular spectra; emphasis on infrared spectra. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Plyler.

264. SPECTROSCOPY OF THE INFRARED. (5). Prerequisite, Mathematics 141 and Physics 53.

Detailed study of radiation sources. (1938 and alternate years). *Two lecture and six laboratory hours a week, spring quarter.* Professor Plyler.

267. CURRENT ADVANCES IN PHYSICS. (5). Prerequisite, Mathematics 141 and Physics 160.

Lectures and discussions on selected fields of physics which are advancing rapidly. (1938 and alternate years.) *Five hours a week, winter quarter.* Professor Ruark.

268. NUCLEAR PHYSICS. (5). Prerequisite, Physics 160 and 161, except by permission.

Theory of artificial and radioactive disintegrations; gamma rays and positrons; nuclear energy levels; theory of nuclear structure. Reports on outside reading of recent research. (1937 and alternate years.) *Five hours a week, fall quarter.* Professor Wheeler.

271. THEORY OF THE SOLID AND LIQUID STATES. (5). Prerequisite, Mathematics 141; Physics 120.

The crystalline state; properties of metals from the standpoint of quantum statistics; spectra of liquids and solids. Debye-Hückel theory of electrolytes; problems and reports. (1938 and alternate years.) *Five hours a week, winter quarter.* Professor Wheeler.

301, 302, 303. RESEARCH. (5 each).

Theoretical or experimental work on a subject approved by the physics staff. A reading knowledge of German is required. Professors Fussler, Plyler, Ruark, Stuhlman, Wheeler.

Note: Advanced instruction in DYNAMICS is provided by Mathematics 216 (Professor Hobbs), which may be taken for credit in either Mathematics or Physics.

DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY

ISAAC HALL MANNING, Professor.

EVAN WILLIAM MCCHESNEY, Associate Professor.

The following courses are accepted as satisfying requirements for minors in programs of study having majors in certain other sciences.

141-142. PHYSIOLOGY. (18). Credit in the Graduate School: 3 courses.

A lecture course for two quarters, in which the functions of the systems of organs are explained and discussed as fully as time permits. The subjects include the digestion, the circulation, respiration, elimination, metabolism, the internal secretions, heat regulation, the nervous system, and the special senses. Attention is called to pathological conditions which are commonly associated with disturbed functions and which emphasize the importance of normal function. *Six lecture and six laboratory hours a week, fall and winter quarters.* Professor Manning.

145. BIOLOGICAL CHEMISTRY 1. (6). Credit in the Graduate School: 1 course.

A lecture and laboratory course during the winter quarter of the first year in which the fundamental principles of the subject are discussed and illustrated by appropriate experiments in the laboratory as far as possible. The chemistry of the "body stuffs" and the other general subjects of physiological chemistry are treated in the usual way. *Nine hours (lecture and laboratory) a week, winter quarter.* Professor McChesney.

146. BIOLOGICAL CHEMISTRY 2. (4). Credit in the Graduate School: 1 course.

In the fall quarter of the second year, the class is divided into two sections for the more difficult work in digestion, blood and urine analysis, basal metabolism, etc. *Six hours (lecture and laboratory) a week, fall quarter.* Professor McChesney.

206. ADVANCED COURSE IN BIOLOGICAL CHEMISTRY. (6). Credit in the Graduate School: 1 course.

(a) Biochemical Methods. Studies of biochemical methods. Original articles are consulted and theoretical problems worked out. *Three hours a week, spring quarter.*

(b) Biochemical Preparations. The preparation of plant and animal products of special interest. A laboratory course in conjunction with course (a). *Six laboratory hours a week, spring quarter.* Professor McChesney.

NOTE: The prerequisites for these courses are as follows: Chemistry 42, 61, 162. Chemistry 41 is strongly recommended. Sequence of courses: it is more satisfactory if students take these three courses in their regular order, but since it requires a period of five quarters, students will be permitted to take the courses in the order 146, 145, 206; or 145, 206, 146. The latter order is to be preferred.

DEPARTMENT OF POLITICAL SCIENCE

WILLIAM WHATLEY PIERSON, HENRY MCGILBERT WAGSTAFF, EDWARD JAMES WOODHOUSE, Professors.

KEENER CHAPMAN FRAZER, WILLIAM SUMNER JENKINS, CHARLES BASKERVILL ROBSON, Associate Professors.

JAMES WILLIAM FESLER, Assistant Professor.

The Department undertakes to give advanced instruction in the structure, operation, history, and theory of governmental institutions. In this purpose, provision is made for training of a professional as well as a graduate nature in that courses are offered which would be of benefit to those preparing for the civil service, domestic and foreign. Graduate programmes may be arranged in local and national government—county, municipal, state, and federal—in constitutional law and historical jurisprudence, in public administration and legislation, in international law and relations, in comparative government, and in political theory. The Department will coöperate with the Departments of History, Economics, and Sociology and with the School of Law in meeting the interests of students.

Courses for Graduates and Advanced Undergraduates

101. PUBLIC ADMINISTRATION. (5).

General problems and principles of public administration. Structural problems: the separation of powers, organization of administrative agencies, areal problems of administration. Personnel problems: recruitment, promotion, removal, classification, civil servant unions. Financial problems: budgeting, auditing, purchasing, taxing, borrowing. Administrative law: growth and significance of administrative legislation and adjudication. *Five hours a week, fall quarter.* Professor Fesler.

121. THE GOVERNMENT OF ENGLAND. (5).

The objective in this course is a knowledge of the development and operation of the English government. Local, national, and imperial aspects of Eng-

land's governmental practice will receive attention. Resemblance and contrasts between her government and that of our own country will be pointed out for the practical lessons which the parallel supplies. Lectures and readings. *Five hours a week, spring quarter.* Professor Wagstaff.

122. GOVERNMENT AND ADMINISTRATION OF EUROPEAN CITIES. (5).

A general consideration of principles and methods of social control in the municipalities of Great Britain, France, and Germany, with some attention to those of other nations. Comparisons with American conditions. *Five hours a week, spring quarter.* Professor Woodhouse.

131. AMERICAN STATE GOVERNMENT. (5).

A study in the principles, organization, and administrative methods of state government. In connection with the course will be a special study of the government of North Carolina. Lectures, readings, reports. *Five hours a week, fall or spring quarter.* Professor Jenkins.

132. AMERICAN MUNICIPAL GOVERNMENT. (5).

An historical survey of the development of governmental structure, theory, and functions in American municipalities, and careful analysis of existing municipal conditions, with special attention to city and town government in North Carolina. Each student will make an intensive study of his own or of some other city or town. *Five hours a week, fall quarter.* Professor Woodhouse.

133. AMERICAN MUNICIPAL ADMINISTRATION. (5).

Special study of the principles and problems of administration in American municipal corporations, of such functions as police, public education, charities and correction, local improvements, public health, finances, with emphasis on city and town administration in North Carolina. Each student will select and study exhaustively a municipal problem in one municipality. *Five hours a week, fall quarter.* Professor Woodhouse.

134. COUNTY GOVERNMENT AND ADMINISTRATION. (Same as Rural Economics 134.) (5).

A study of the forms of organization, the functions, and the operation of County Government in the United States and especially in North Carolina in their historical development, but with special emphasis on present conditions and tendencies and on possible improvements. Each student will be required to study, as extensively and as intensively as possible, the government and administration of one county, preferably his home county, and to put his results into essay form. Textbooks, lectures, readings. *Five hours a week, winter quarter.* Professor Woodhouse.

141. INTRODUCTION TO INTERNATIONAL LAW. (5).

A general survey of the history, the sources, and the content of international law. *Five hours a week, fall quarter.* Professor Frazer.

142. INTERNATIONAL ORGANIZATION AND INSTITUTIONS.

A study of all important international governmental institutions. The administrative unions, the League of Nations, and the international courts are examined and discussed. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Frazer.

143. THE DIPLOMATIC HISTORY OF THE UNITED STATES. (Same as History 143). (5).

A course designed to present the experiences of the United States in its relations with other nations from independence to the present time. Lectures, readings, reports. *Five hours a week, spring quarter.* Professor Frazer.

144. THE ORGANIZATION AND CONDUCT OF THE FOREIGN RELATIONS OF THE UNITED STATES.

The machinery of foreign relations, organs for conduct, and the foreign

service are analyzed and discussed. Foreign policies are discussed from the standpoint of their formulation and content. *Five hours a week, spring quarter.* Professor Frazer.

151. THE ELEMENTS OF POLITICAL SCIENCE. (5).
A general course in which a study is made of the principles of political science and of the important theories respecting the nature, origin, forms, and ends of the state and of government. An examination of the literature of the subject will be made, supplemented by students' reports on selected political theorists. Lectures, textbooks, readings. (1936 and alternate years): *Five hours a week, fall quarter.* Professor Pierson.

153. POLITICAL THOUGHT OF THE EIGHTEENTH CENTURY. (5).
An analysis of political thought and philosophy, 1750-1800. Emphasis will be placed on the study of the philosophical ideas of the American and French Revolutions. Lectures and reports. *Five hours a week, fall quarter.* Professor Robson.

154. DEVELOPMENT OF THE ENGLISH CONSTITUTION. (5).
A general course surveying the origin and development of the constitutional machinery of the British monarchy. Emphasis will be laid on the successive constitutional landmarks from the Norman Conquest to the Parliament Act of 1911. Lectures, textbooks, readings. *Five hours a week, winter quarter.* Professor Wagstaff.

155. THE CONSTITUTION OF THE UNITED STATES. (5).
An elementary course in constitutional law covering by means of lectures, textbooks, and cases the fundamental principles of constitutional interpretation and practice in the United States. *Five hours a week, winter quarter.* Professor Jenkins.

156. CONTEMPORARY PROBLEMS IN GOVERNMENT. (5).
A study of the present organizations and actual operations of our national and state governments through the day to day acts of their departments as reported in the *United States Daily, other newspapers, periodicals, and available* official reports. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Woodhouse.

157. HISTORICAL JURISPRUDENCE. (5).
Ancient and medieval law; brief study of Egyptian, Babylonian, Greek, and Hebrew law, chiefly in their methods and agencies of formulation and administration; detailed study of the historical evolution of Roman law, of its fate during the Middle Ages, and of its spread and influence in the Modern World; some consideration of the parts played in medieval Europe by the Germanic, Slavonian, and Celtic legal systems. *Five hours a week, winter quarter.* Professor Woodhouse.

158. HISTORICAL JURISPRUDENCE. (5).
Anglo-American law; historical study of the development of English law, legislation, courts, and court procedure from the Anglo-Saxon Conquest of England to the settlements in North America by the English; and of the evolution of the legal system in these English colonies and in the United States to the present day. *Five hours a week, spring quarter.* Professor Woodhouse.

159. THE BRITISH EMPIRE. (5).
The building and development of the British Empire from 1783 to the present, with emphasis laid on governmental machinery. *Five hours a week, fall quarter.* Professor Wagstaff.

175. POLITICAL PARTIES AND PUBLIC OPINION. (5).
History, organization, and policies of major and minor parties; nominating systems; ballot and election laws; party finance; political machines; influence

of party upon executive and legislative branches of government. Special emphasis upon the relation of party to administration and to current American politics. Lectures, readings, reports. *Five hours a week, fall quarter.* Professor Woodhouse.

181. GOVERNMENTAL REORGANIZATION IN THE UNITED STATES SINCE 1929. (5).

The governmental problems faced by the New Deal, and the solutions attempted through the NRA, AAA, RFC, TVA, and similar agencies. Particular attention will be devoted to administrative aspects of the New Deal: conflicts of policy among the new agencies, growth of governmental corporations, recruiting of personnel, budgetary problems, and the increased delegation of legislative power to administrative agencies. *Five hours a week, spring quarter.* Professor Fesler.

Courses for Graduates

221. ADMINISTRATIVE LAW. (5).

A study of the growth of legislation and adjudication by administrative agencies; its relation to the traditional theory of separation of powers; the extent of judicial control over administrative action in such fields as utility regulation, taxation, the exclusion and expulsion of aliens. Reports on particular administrative agencies. *Five hours a week, winter quarter.* Professor Fesler.

231. THE LEGISLATIVE PROCESS.

A course dealing with the theory and practice of legislation in the United States, with a comparative study of law-making in the governments of other countries. *Five hours a week, spring quarter.* Professor Jenkins.

241. INTERNATIONAL LAW.

The materials of international law will be examined. Leading cases, treaties, and international legislative acts constitute the subjects of study. *Five hours a week, winter quarter.* Professor Frazer.

301abc. MODERN INTERNATIONAL RELATIONS. (9).

Seminar. An analysis will be made of the major problems of international relations. Emphasis will be placed upon the elements of nationalism and internationalism, imperialism, and the settlement of international disputes. *Conferences, two hours a week, fall, winter, and spring quarters.* Professor Frazer.

305. SEMINAR IN COUNTY ADMINISTRATION. (Same as Rural Social-Economics 305.) (5). Prerequisite, Political Science 134, or two other courses in Political Science.

Research, reading, and conferences on special phases of county organization and administration. *Five hours a week, fall, winter, or spring quarter.* Professor Wager.

311abc. AMERICAN POLITICAL THEORY. (10).

A seminar course respecting the political philosophy that has been developed in the United States. In the fall quarter the political theory of the colonial period and the American Revolution will be studied; in the winter quarter attention will be given to the theories associated with the formation of the Constitution and its early interpretation, the nature of the Union, and the slavery dispute; in the spring quarter the political theory of the Civil War and the contemporary United States will be considered. Lectures, readings, reports. *Conferences, two hours a week, fall, winter, and spring quarters.* Professor Pierson.

321abc. STATE AND LOCAL GOVERNMENT. (9).

Seminar course respecting the various functions, organs, and problems of public administration in the States and in their sub-divisions. Comparison of

various attempts to reorganize the state administrative system. *Conferences, two hours a week, fall, winter, and spring quarters.* Professor Woodhouse.

341. SEMINAR COURSE. (5).
A research course in a special field under the direction of a member of the department.

DEPARTMENT OF PSYCHOLOGY

JOHN FREDERICK DASHIELL, HARRY WOLVEN CRANE, ENGLISH BAGBY, Professors.

The emphasis of the work in the Department of Psychology is primarily along the lines of interest in the science for its own sake; and students who are interested in the subject as an independent natural science are given opportunity and coöperation in research. In addition, the demand on the part of other fields for definite and reliable knowledge of human nature, especially in the various professional schools, amounts to a call for coöperation from this department; and some of the instruction and research are shaped with a view to supplying such assistance to education, medicine, commerce, law, sociology, etc.

The New West Building has been completely remodeled; with the exception of a portion of the third floor reserved for the Dialectic Literary Society, which has been housed in the building for many years, it has been rebuilt throughout to answer the needs of the Department of Psychology. On the first floor are located a lecture room, a classroom, a large class laboratory, two seminar rooms, and private offices. On the second floor are arranged a library, a classroom fitted with tables, a large class laboratory, three rooms for clinical examinations, an apparatus and supply room, a shop, and a private office. Space on the third floor is planned especially for research, the two ends of the building making room for seven small private rooms and an animal room, with a mezzanine room especially built to be lightproof. The building is piped throughout for water and for gas, and electric supplies of both alternating and direct current in low and high voltages are made available at numerous outlets in the different laboratories. The technical equipment is practically complete. It includes sufficient duplication of apparatus for the experimental work in the various undergraduate courses, a fairly complete stock of standard apparatus for advanced training in experimental methods, and sufficient apparatus and funds for the prosecution of research along most of the recognized psychological lines. The departmental library includes all the technical journals published in English and a few in other languages. The supply of books is fairly complete.

A member of the department is psychopathologist to the State Board of Charities and Public Welfare, supervising the mental examination of abnormal cases throughout the state, and the properly interested and qualified graduate student is given opportunities here. Psychological assistance is given by the department to educational

interests in the state, especially in the way of tests and measurements, mental hygiene, and problems in learning. It is hoped that resources will soon permit coöperation also with other lines of work in the state, particularly commercial, industrial, and legal.

The courses listed for graduates are selected with the aim of providing such as will be intensive and extensive preparation in "pure" psychology as well as in some applied lines, such as clinical. They are of a nature to be best fitted for those who wish to give themselves a thorough and sound purchase on psychology as their major subject, as well as naturally to be recommended to students whose majors are in other departments. Interests in applied psychology in its varied forms—educational, economic, legal, social, medical, etc.—are well met by many of the courses listed for graduates and advanced undergraduates.

Courses for Graduates and Advanced Undergraduates

Note. Psychology 21-22-23 or their equivalent are prerequisite for each of the following courses.

125. ANIMAL BEHAVIOR. (5).
A systematic survey of behavior in the various phyla, followed by a critical survey of experimental problems concerning vertebrates including man. The course is of general psychological character, emphasizing central concepts of psychology: adjustment, reflexes, learning, motivation, insight, etc. Typical experiments with animals. (1938 and alternate years.) *Four lectures and two laboratory hours a week, winter quarter. Laboratory fee, $2.00.* Professor Dashiell.

126. CHILD DEVELOPMENT. (5).
A survey of experimental and clinical contributions to the contemporary field of child development, including foetal, neonate, preschool, school, and adolescent ages. Experimental observations on children. *Four lecture hours and two laboratory hours a week, spring quarter. Laboratory fee, $1.50.* Professor Dashiell.

135. ECONOMIC PSYCHOLOGY: INDUSTRIAL AND VOCATIONAL. (5).
There will be two main divisions of the course, as follows: (1) The adjustment of the worker to his work—including training, effects of incentive, monotony, and fatigue; motion study and mental hygiene in industry. (2) The selection of personnel for various kinds of work, with the industrial use of tests of intelligence and personality. An outline of vocational psychology will be given, and the psychology of salesmanship discussed. Lectures, experiments, readings. *Four lecture and two laboratory hours a week, spring quarter.* Professor Bagby.

136. ECONOMIC PSYCHOLOGY: ADVERTISING. (5).
An attempt is made to present systematically those aspects of psychology which will aid the advertiser more effectively to construct and present his advertisements. While aiming to give information of practical value, the emphasis is placed upon the establishment of a point of view which will be of assistance in the development of a general technique on the part of the advertiser. (1937 and alternate years.) *Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, $2.00.* Professor Crane.

138. LEGAL PSYCHOLOGY. (5).
The course is organized about some of the major problems of a psychological nature with which the law is concerned; such as, the accuracy of testimony, the reliability of findings by juries, responsibility and criminal psychology, the effects of punishment, modes of detecting suppression of guilty knowledge. The aim is to obtain an accurate knowledge of the present status of each problem; and the method will be that of a natural science approach leading ultimately to implications of practical legal character. Readings, lectures, and experiments. *Five hours a week, spring quarter. Laboratory fee, $2.00.* Professor Dashiell.

140. PSYCHOLOGY OF PERSONALITY. (5).
This course is a consideration of certain of the factors upon which the quality of human adjustments depend. Emphasis is placed upon emotional reactions as primary sources of motivation and an attempt is made to indicate the most effective methods of training and of retaining the various types of emotional reactions. *Five hours a week, fall quarter.* Professor Bagby.

145. ABNORMAL PSYCHOLOGY: FEEBLE-MINDEDNESS. (5).
Presentation of the psycho-neural aspects of feeble-mindedness in general, and of the various types, together with their importance in relation to the problems of education, dependency, and delinquency. There will be discussion and demonstration of the various clinical methods of determination and classification of feeble-mindedness. (1938 and alternate years.) *Five hours a week, winter quarter. Laboratory fee, $1.00.* Professor Crane.

146. ABNORMAL PSYCHOLOGY: PSYCHONEUROSES AND PSYCHOSES. (5).
A study is made of the more important deviations from the normally reacting and experiencing human organism. Attention is given to the sensory, imaginal, emotional, motor, etc., abnormalities and to the occurrence of these in the various psychoses. Brief surveys are given of the methods of clinical psychology and of psychotherapy. *Five hours a week, spring quarter. Laboratory fee, $1.00.* Professor Crane.

147. ABNORMAL PSYCHOLOGY: METHODS OF MENTAL EXAMINATION. (5).
A presentation of the various psychological methods used in the clinical study of individuals. This includes a study of the methods used in determination of the presence or absence of specialized defects as well as the determination of level of intelligence. Lectures, experiments, readings. *Four leeture and two laboratory hours a week, fall quarter. Laboratory fee, $3.00.* Professor Crane; Assistant.

151, 152, 153. EXPERIMENTAL PROBLEMS. (5 each).
To the student who finds himself especially interested in some particular problem of psychology, perhaps as growing out of the subject matter of one of the preceding courses, encouragement and opportunity are here offered for investigative study. May be elected any quarter, and for one, two, or three quarters. *One lecture and eight laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $3.00 a quarter.* Professors Dashiell, Crane, Bagby.

190. CONTEMPORARY PSYCHOLOGICAL TENDENCIES. (5).
A systematic survey of the more outstanding modern and contemporary movements in psychology. Historical survey, using Murphy's text and Rand's readings followed by readings in Titchener, James, Watson, Freud, Köhler, Koffka, Spranger, and perhaps others. Open only to graduate students and to seniors whose major is in psychology; required of all prospective candidates for advanced degrees. *Five hours a week, fall quarter.* Professor Dashiell.

Courses for Graduates

201. ADVANCED EXPERIMENTAL PSYCHOLOGY. (5).
A training course in the technique of psychology experimentation and research, to acquaint the advanced student both with methods and with typical forms of apparatus. A survey will be made of experimental technique in the study of the various motor, sensory, thinking, and emotional functions, including both introspective and behavioristic approaches. (1937 and alternate years.) *One lecture and nine laboratory hours a week, fall quarter. Laboratory fee, $3.00.* Professor Dashiell.

202, 203. RESEARCH IN PSYCHOLOGY. (5 each). Prerequisite, Psychology 201.
Opportunity will be given for the experimental investigation of special problems along the line of the individual student's interests. The personal and material resources of the department are here especially offered. *Ten laboratory hours a week, winter and spring quarters. Laboratory fee, $3.00 a quarter.* Professors Dashiell, Crane, Bagby.

205. PHYSIOLOGICAL PSYCHOLOGY. (5).
An intensive study is made. Emphasis is placed upon the neural mechanism as a basis of understanding both the mental and the reaction phenomena of psychology. *Six hours a week, winter quarter. Laboratory fee, $3.00.* Professor Crane.

208. SOCIAL PSYCHOLOGY. (5).
The reading assignments of this course deal primarily with experimental techniques and findings. The lectures include a brief historical survey and an attempt to identify the psychological processes underlying familiar social phenomena. Members of the class are required to present reviews of outstanding texts. *Five hours a week, winter quarter.* Professor Bagby.

325. SEMINAR. (5).
An advanced course devoted to the extensive or intensive survey of current or of historical material bearing upon some limited problem or field of psychology—such as motivation, emotion, thinking, the Gestalt movement, reflexology, etc. The problem studied will be varied from year to year. *Five hours a week, fall, winter, or spring quarter, to be specially announced.* Professors Dashiell, Crane, Bagby.

341-342. ADVANCED RESEARCH. (10).
Experimental or clinical research to be done by advanced graduate students only. *Ten laboratory hours a week, any two quarters.* Professors Dashiell, Crane, Bagby.

The student is referred also to courses in Educational Psychology, to courses in Neurology, Anatomy, and Physiology, and to courses in Statistics, listed in other departments of the University.

*THE SCHOOL OF PUBLIC ADMINISTRATION

To meet the demand for professionally trained men and women in the field of public service, the University has for a number of years provided technical courses leading to preparation for particular positions in administration and service. The present School of Public Administration was organized for the purpose of coördinating instructional service in the various departments, such as Economics and Commerce, History, Political Science, Psychology, Sociology, Rural Social-Economics, and Public Health. The work has been divided into four parts:

I. General Public Service
II. Public Welfare and Social Work
III. Public Health Administration
IV. Research and Surveys.

In the field of general public service, the concentration of courses is designed to afford training for city and county management, public finance, public works, and other special aspects of public administration. Instruction is offered in various fields of government—local, national, and international—which would be of importance to those seeking information and training in these forms of public service.

The Division of Public Welfare and Social Work has an accredited curriculum and is recognized as a member of the American Association of Schools of Social Work. In this division are featured public welfare administration, social legislation, case work, community organization, public care of children, and other social work courses. A coöperative arrangement is being worked out whereby training in medical social work is provided in coöperation with the Duke University Hospital. Increased emphasis is now being placed upon the professional and graduate nature of social work training, with increased emphasis upon field work.

The work in public health administration has been under the joint supervision of the School of Medicine and the School of Public Administration. Beginning in 1936-1937 this work is being enlarged under a separate organization, entirely under the direction of the School of Medicine, and in coöperation with the Federal Social Security Board is offering enlarged courses in public health administration.

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*After consideration by the Dean and the special committee appointed by the President, it has been recommended that beginning with the fall of 1936 the courses now offered in the School of Public Administration will be redistributed, as indicated above, to the several departments and schools.

Training for social work and public welfare will hereafter, then, be limited to graduate courses and graduate degrees, which will be awarded, as in all other cases, through the graduate school. The graduate degree of Master of Science in Public Administration will be available, and there can be concentration in a combination of social work, public welfare, and sociology.

Certificates of professional and technical training may be awarded in two of the divisions, namely, public welfare and social work and public health, in cases where the full courses for graduate degrees may not be desired.

The Graduate School and the several departments and divisions involved should be consulted by the prospective student before making final arrangements.

Courses for Graduates and Advanced Undergraduates

101. PUBLIC ADMINISTRATION. (5). Prerequisite, Bachelor's degree or three courses in political science, history, economics, and sociology.

General problems of public administration in the modern state. The development of administration; the principles of organization; its relation to the legislative and judicial branches of government; the processes of integration and centralization; the administrative reorganization of the United States; relation to administrative law; etc. Special problems of administration, such as personnel, the budget, administrative rules and regulations, morale, recruitment and examinations, promotion and efficiency methods, and retirement systems, will be considered. *Five hours a week, fall or spring quarter.* Professor Fesler.

103. PUBLIC HEALTH AND HYGIENE (Bacteriology 166). (3).

111. NORTH CAROLINA: ECONOMIC AND SOCIAL (Rural Social Economics 101). (5).

122. GOVERNMENT AND ADMINISTRATION OF EUROPEAN CITIES (Political Science 122). (5).

131. AMERICAN STATE GOVERNMENT (Political Science 131). (5).

132. AMERICAN MUNICIPAL GOVERNMENT (Political Science 132).

134. COUNTY GOVERNMENT AND ADMINISTRATION (Political Science 134 and Rural Social Economics 134). (5).

138. LEGAL PSYCHOLOGY (Psychology 138). (5).

141. PUBLIC FINANCE (Economics 141). (5)

142. FINANCIAL ORGANIZATION AND ADMINISTRATION (Economics 142). (5).

145. ABNORMAL PSYCHOLOGY: FEEBLE-MINDEDNESS (Psychology 145). (5).

146. ABNORMAL PSYCHOLOGY: PSYCHONEUROSES AND PSYCHOSES (Psychology 146). (5).

151. ELEMENTS OF POLITICAL SCIENCE (Political Science 151). (5).

155. PERSONNEL MANAGEMENT (Commerce 155). (5).

160. INTRODUCTION TO SOCIAL WORK (Sociology 160). (5).

Essentially a pre-professional course for social work students, giving a bird's-eye view of the whole field of social work, with a brief discussion of its history, nature, purpose, scope, and present trends. Primary emphasis is placed upon methods of treatment of the socially maladjusted, such as the aged poor, the physically handicapped, those suffering from mental disease or deficiency, the delinquent, and the criminal. Special clinics and institutional visits are arranged to supplement classroom work. *Five hours a week, fall or spring quarter.* Professor Sanders.

161. NORTH CAROLINA, 1663-1789 (History 161). (5).

162. NORTH CAROLINA, 1789-1900 (History 162). (5).

167. ECONOMIC HISTORY OF THE UNITED STATES (History 167). (5).

168. THE COMMUNITY (Sociology 168). (5).

170. ECONOMIC STATISTICS (Economics 170). (5).

173. PLAY AND RECREATION (Sociology 173). (5).

175. POLITICAL PARTIES. (5). Prerequisite, Political Science 51.
History, organization, and policies of major and minor parties; nominating systems; ballot and election laws; party finance; political machines; influence of party upon executive and legislative branches of government. Special emphasis upon the relation of party to administration and to current American politics. Lectures, readings, and reports. *Five hours a week, winter quarter.* Professor Woodhouse.

179. GOVERNMENTAL ACCOUNTING. (Commerce 179). (5).

181. INFECTION, IMMUNITY, AND SERUM DIAGNOSIS (Bacteriology 165). (5).

192. CRIME. (Sociology 192). (5).
Nature and causes of crime; evolution of modern methods of criminal procedure; administration of penal and reformatory institutions; programs for the social treatment of the criminal; the problem of juvenile delinquency. The class work will be supplemented by field trips to criminal courts and penal institutions. *Five hours a week, winter quarter.* Professor Brown.

193. SOCIAL PATHOLOGY. (Sociology 193). (5).
A survey of the abnormal and pathological aspects of society. Among the problems studied are feeble-mindedness, insanity, physical defectiveness, malnutrition, alcoholism, prostitution, vagrancy, family disorganization. Emphasis is given to methods of treatment by private and public institutions and agencies. Class work is supplemented by field trips to county and state institutions. *Five hours a week, fall quarter.* Professor Brown.

198. DIAGNOSIS OF JUVENILE DELINQUENCY. (Sociology 198).
After a brief historical background this course traces the development of case study and diagnosis of juvenile delinquency through various approaches including the environmental, biological, psychological, psychiatric, sociological, anthropological, psychoanalytic, and the bio-chemical. Considerable attention is devoted to current methodology in this field in an attempt to evaluate major causative factors in delinquency. *Five hours a week. Fall or spring quarter.* Professor Sanders.

Courses for Graduates

208. SOCIAL PSYCHOLOGY (Psychology 208). (5).

215. SOCIAL DEMOGRAPHY (Sociology 215).

244. MENTAL HYGIENE IN RELATION TO SOCIAL WORK. Prerequisite, Public Administration 160. (5).
A course primarily for students who are working toward a degree or a certificate in social work. Particular emphasis will be given to the place of the social worker in mental hygiene; feeble-mindedness, psychoses, and minor mental aberrations in relation to social work; and ways in which a social worker may be a factor in mental hygiene. *Five hours a week, spring quarter.* Professor .....

264. FAMILY CASE WORK. (5).
Discussion of the relation of the individual to the family and the family to the community. The technique of case work and its scientific approach—methods of investigation, interviewing, social evidence, sources, diagnosis, treatment. Class work is supplemented by field work under the supervision of members of the staff of the School of Public Administration. *Five hours a week, fall quarter.* Miss Jocher.

265. ADVANCED FAMILY CASE WORK. Prerequisite, Public Administration 160, 264. (5).

A continuation of course 264, with more intensive study of case work. Class work is supplemented by field work under the supervision of members of the staff. The work in this course includes a minimum of six hours a week supervised field work. *Five hours a week, spring quarter.* Professor Saunders; Mr. Lawrence.

266. RESOURCES FOR TREATMENT. (5). Prerequisite, Public Administration 160, 264.

Discussion of resources for treatment in case work, with especial emphasis upon public welfare activities in rural and small town areas; includes the study of special facilities for treatment of various types of cases, the social legislation involved, and actual working procedure. *Five hours a week, winter quarter, and field work.* Mr. Lawrence.

267. CASE WORK PRACTICE. (5). Prerequisite, Public Administration 160, 264, 265.

A seminar in case work. Conferences, office work, field work with cases. *Fifteen hours a week, fall and spring quarters.* Mr. Lawrence.

268. SOCIAL LAWS. (5).

The development of social laws pertaining to important social problems. Special attention to social laws of North Carolina. *Five hours a week, spring quarter.* Professor Brown.

269. SOCIAL WORK ADMINISTRATION. (5). Prerequisite, adequate courses admitting student to graduate standing in this field.

An analysis of the administration of social agencies, both public and private. Emphasis is placed upon recent trends and developments in this field as indicated by changing terminology and practices; increased expenditures; the new alignment of public and private agencies; the re-allocation of administrative functions under the FERA; advancing professional standards; the growing importance of office organization and management, including personnel, improved techniques and procedures, and the preparation and keeping of records. The administration of agencies in rural areas and in small towns is given special attention. *Five hours a week, spring quarter.* Miss Jocher.

270. PUBLIC WELFARE ADMINISTRATION. (5).

1. The organization of Public Welfare in the United States. 2. Detailed study of the North Carolina Plan. *Five hours a week, fall or spring quarter.* Professor Brown.

298. TREATMENT OF JUVENILE DELINQUENCY. (5). Prerequisite, Public Administration 198.

The origin of the juvenile court, its organization and legal relationship to other courts; methods of procedure; disposition of cases including probation, foster home placement, institutional care and parole; results of treatment; preventive programs. Method of selection of juvenile court officials, their qualifications and training. Field trips to juvenile courts, detention homes and training schools. *Five hours a week. Winter quarter.* Professor Sanders.

299. PUBLIC CARE OF CHILDREN. (5). Prerequisite, Public Administration 160.

Methods and techniques of treatment by public social agencies of dependent and neglected children, defective children, those in employment, etc. Public responsibility for the welfare of children in general from standpoint of education, health, maintenance. State systems of child welfare. *Five hours a week, spring quarter.* Professor Sanders.

301abc. RURAL ECONOMICS (Rural Social-Economics 301abc). (5).

303ac. PROBLEMS IN EDUCATIONAL ADMINISTRATION (Education 303ac). (6).

305. SEMINAR IN COUNTY ADMINISTRATION (Rural Social-Economics 305 or Political Science 305). (5).

331. SEMINAR ON THE FAMILY (Sociology 331). (5).
The history, purpose and problems of the family with especial attention to social conditions influencing family life and efforts for family conservation. Open to men and women. *Five hours a week, fall quarter.* Professor Groves.

DEPARTMENT OF ROMANCE LANGUAGES

WILLIAM MORTON DEY, STURGIS ELLENO LEAVITT, *URBAN TIGNER HOLMES, JR., **NICHOLSON BARNEY ADAMS, HOWARD RUSSELL HUSE, JOHN CORIDEN LYONS, Professors.

RALPH STEELE BOGGS, STERLING AUBREY STOUDEMIRE, WILLIAM LEON WILEY, Associate Professors.

ROBERT WHITE LINKER, Instructor.

Department Regulations

All candidates for higher degrees are required to have a knowledge of Latin. This may be construed to mean an elementary knowledge in certain cases. Candidates for the degree of Master of Arts are strongly advised to have a reading knowledge of German, as well as of French. Those who intend to pursue the degree of Doctor of Philosophy are required to have this reading knowledge by the general regulations of the Graduate School.

Candidates for the degree of Master of Arts whose major is Spanish must choose French as their minor subject. Those who choose French as a major usually pursue their minor work in Spanish or Italian; they may, after consultation with the chairman, substitute Latin, Comparative Literature, German, or English.

Candidates for the degree of Doctor of Philosophy must choose French as a major and Spanish and Italian as minors; or Spanish as a major and French and Italian as minors.

Before the degree of Doctor of Philosophy will be awarded, the candidate must have spent six months in the country of his major interest, three months of which must have been spent in work upon his thesis. This requirement is usually satisfied in two summers abroad.

Research Facilities

The library is a subscriber to more than fifty periodicals in which space is given either wholly or in part to the Romance languages and literatures. The complete files of nearly all these journals are in its possession. Materials for research are especially rich in Romance linguistics, medieval French literature, French literature of the sixteenth, seventeenth, and nineteenth centuries, in Spanish literature of the seventeenth and nineteenth centuries and of the contemporary

*Absent on leave, fall and winter quarters, 1935-1936.
**Absent on leave, spring quarter, 1935-1936.

period. In modern Spanish drama a collection of over 12,000 plays offers a wealth of material for research. The reference collection of the general library is unusually good for Romance bibliography. A photostating machine is at the disposal of faculty and of advanced students. The library also has the equipment for using film reproductions of manuscripts and rare books which furnish materials for investigation at very low cost. The Hanes and Hunter collections of incunabula and other rare books are made readily accessible for students in the department.

Some recent doctoral dissertations which have been accepted are: "French Tragedy and Tragic Theory, 1690-1715," "Studies in Middle French Syntax after the Keniston Check-list Method," "The *Consaus d'amours* and the *Poissanche d'amours* of Richart de Fournival," "The Madrid Stage, 1820-1833," "Jesús Castellanos, His Life and his Works."

FRENCH

Courses for Graduates and Advanced Undergraduates

109. THE FRENCH NOVEL. (5). Prerequisite, French 23.
A study of the development of the novel in France. Lectures, readings, reports. (1938 and alternate years.) *Five hours a week, winter quarter.* Professor Dey.

115. FRENCH LYRIC POETRY. (5). Prerequisite, French 23.
A study of French lyric poetry, beginning with Villon. Lectures, readings, reports. *Five hours a week, spring quarter.* Professor Huse.

126. HISTORY OF THE FRENCH LANGUAGE. (5). Prerequisite, French 23.
A general survey from the origins to the present day, with especial emphasis upon the period, 1500-1900: the influence of the Erudits, Précieuses, Philosophes, and Romanticists; spelling reforms. *Five hours a week, winter quarter.* Professor Holmes.

131. THE FRENCH DRAMA PRIOR TO 1700. (5). Prerequisite, French 23.
A survey of the religious and comic theatres of the Middle Ages; the theatre of the Renaissance and its relation to the classic theatres of Greece and Rome; the neo-classic theatre of the 17th century. *Five hours a week, winter quarter.* Professor Wiley.

132. THE FRENCH DRAMA SINCE 1700. (5). Prerequisite, French 23.
A survey of Modern French Drama with special attention to the theatrical principles and ideas of the different dramatic schools of the last two centuries. *Five hours a week, spring quarter.* Professor Wiley.

145. FRENCH PHONETICS. (5). Prerequisite, French 23.
A detailed study of the French vowel and consonant sounds by the phonetic method. This course is required of candidates with major in French for the master's degree, and it should be elected by anyone who intends to teach French. *Five hours a week, fall quarter.* Professor Dey.

161. THE SIXTEENTH CENTURY. (5). Prerequisite, French 23.
A general treatment of the chief movements in French literature of the 16th century, with some reference to the Italian Renaissance and its influence on France. Specimen readings from the more important poets and prose writers: Marot, Rabelais, the Pléiade, Montaigne, etc. *Five hours a week, spring quarter.* Professor Lyons.

171. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. (5). Prerequisite, French 23.

A study of the period of Henry IV and Louis XIII. *Five hours a week, fall quarter.* Professor Lyons.

172. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. (5). Prerequisite, French 23.

This course deals with the literature of the reign of Louis XIV. *Five hours a week, winter quarter.* Professor Lyons.

181. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY. (5). Prerequisite, French 23.

Voltaire, Montesquieu, Rosseau, les Encyclopédistes. A study of the literary movement of the century and of the origins of romanticism. *Five hours a week, fall quarter.* Professor Huse.

191. FRENCH ROMANTICISM. (5). Prerequisite, French 23.

French literature from 1800 to 1850, with special stress on the works of the romantic poets, Lamartine, Hugo, Vigny, and Musset. Lectures, readings, reports. *Five hours a week, fall quarter.* Professor Dey.

192. FRENCH LITERATURE SINCE 1850. (5). Prerequisite, French 23.

A study of the later literary movements of the 19th century, with some emphasis on the contemporary period. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Dey.

CELTIC 105. MIDDLE IRISH. (5).

Grammar and reading of texts. Dottin, *Manuel de l'Irlandais Moyen, Táin Bó Cúailnge* (Supplement to *Eriu*). *Five hours a week, winter quarter.* Professor Holmes.

Courses for Graduates

221-222-223. OLD FRENCH. (15).

Reading of the oldest texts: La Chanson de Roland; Aucassin et Nicolette; Chrétien de Troyes. Lectures on French phonology and morphology. *Five hours a week, fall, winter, and spring quarters.* Professor Holmes.

225. PROVENCAL. (5).

A study of the ancient language and literature of Provence. The poetry of the Troubadours. (1938 and alternate years.) *Five hours a week, spring quarter.*. Professor Holmes.

231. FRENCH SYNTAX. (5).

The most important phases of modern French syntax studied from an historical point of view. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Dey.

248. FRENCH LITERATURE OF THE 14TH AND 15TH CENTURIES. (5). Prerequisite, French 221 or 265.

A combination of literary survey and reading course. Especial attention will be paid to Villon, who will be read in entirety with commentary. General treatment of such writers as Machaut, Froissart, Christine de Pisan, etc. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Holmes.

265-266. FRENCH LITERATURE OF THE RENAISSANCE. (10).

A study of French Literature of the 16th century. Italian and French Humanism. The reformation. Marot, Rabelais, Calvin, the Pléiade, Montaigne. (1937 and alternate years.) *Five hours a week, winter and spring quarters.* Professor Lyons.

331. HISTORY OF FRENCH LITERATURE PRIOR TO 1300. (5).

Lectures and seminar papers. A complete and careful study of the origins of French literature, with emphasis upon the twelfth century Renaissance, the

period of the epics, beginning of romances, etc. French 221 is desired, though not prerequisite. (1937 and alternate years.) *Five hours a week, fall quarter.* Professor Holmes.

391. STUDIES IN ROMANTICISM. (5). Prerequisite, French 191.
Seminar course. Intensive study of one of the romantic poets. (1938 and alternate years.) *Five hours a week, spring quarter.* Professor Dey.

395. RESEARCH. (5).
Research in a special field under the direction of a member of the department.

SPANISH

Courses for Graduates and Advanced Undergraduates

109. EARLY SPANISH PROSE FICTION. (5). Prerequisite, Spanish 23.
A study of the origins and developments of the novel in Spain up to the time of Cervantes. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Adams.

110. THE SPANISH NOVEL—1605-1898. (5). Prerequisite, Spanish 23.
A survey of the novel from Cervantes through the nineteenth century. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Adams.

111. MODERN SPANISH NOVELISTS. (5). Prerequisite, Spanish 23.
A study of the "Generation of '98," with consideration of present day tendencies. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Adams.

115. EARLY LYRIC POETRY. (5). Prerequisite, Spanish 23.
A survey of lyric poetry in the Spanish peninsula from the origins through the Siglo de Oro. (1937 and alternate years.) *Five hours a week, fall quarter.* Professor Adams.

116. MODERN LYRIC POETRY. (5). Prerequisite, Spanish 23.
Brief treatment of the poetical schools of Seville and Salamanca in the eighteenth century and study of Spanish lyric poetry through the nineteenth century to the present day. (1938 and alternate years.) *Five hours a week, winter quarter.* Professor Adams.

131. LOPE DE VEGA AND HIS CONTEMPORARIES. (5). Prerequisite, Spanish 23.
Reading of representative plays of Lope de Vega, Tirso de Molina, Guillén de Castro, Ruiz de Alarcón, etc. Lectures and reports. (1937 and alternate years.) *Five hours a week, fall quarter.* Professor Leavitt.

132. CALDERON AND HIS CONTEMPORARIES. (5). Prerequisite, Spanish 23.
Reading of representative plays of Calderón de la Barca, Moreto, Rojas, etc. Lectures and reports. (1938 and alternate years.) *Five hours a week, winter quarter.* Professor Leavitt.

134. SPANISH DRAMA OF THE NINETEENTH CENTURY. (5). Prerequisite, Spanish 23.
Reading of representative plays of this period. Lectures, oral and written reports. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Leavitt.

135. MODERN SPANISH DRAMA. (5). Prerequisite, Spanish 23.
Reading of plays of Dicenta, Benavente, Linares Rivas, the Alvarez Quintero brothers, Marquina, Martinez Sierra, etc. Lectures, oral and written reports. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Leavitt.

145. SPANISH PHONETICS. (5). Prerequisite, Spanish 23.
A detailed study of the Spanish vowel and consonant sounds by the phonetic method. This course is required of candidates with a major in Spanish for the master's degree, and it should be elected by anyone who intends to teach Spanish. *Five hours a week, spring quarter.* Professor Boggs.

Courses for Graduates

221-222. OLD SPANISH. (10).
Ford's *Old Spanish Readings.* The Poem of the Cid and other old Spanish texts. Lectures on phonology, morphology, and syntax. *Five hours a week, fall and winter quarters.* Professor Boggs.

241. INTRODUCTION TO SPANISH-AMERICAN LITERATURE. (5).
A study of notable authors and consideration of present-day writers. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Leavitt.

291. EARLY SPANISH LITERATURE. (5). Prerequisite, Spanish 221-222.
Survey of Medieval Spanish Literature. *Five hours a week, spring quarter.* Professor Boggs.

393. SPANISH ROMANTICISM. Seminar course. (5).
General survey of the Romantic period in Spain and investigation of special problems. (1938 and alternate years.) *Five hours a week, spring quarter.* Professor Adams.

395. RESEARCH. (5).
Research in a special field under the direction of a member of the department.
Attention is called to General and Comparative Literature 157.

ITALIAN

Courses for Graduates and Advanced Undergraduates

131. DANTE. (5). Prerequisite, Italian 51 and 52.
The *Vita Nuova* and the *Inferno,* with some reference to origins of Italian literature and to the poets of the dolce stil nuovo. (1938 and alternate years.) *Five hours a week, spring quarter.* Professor Huse.

132. DANTE. (5). Prerequisite, Italian 131.
The *Purgatorio* and the *Paradiso.* (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Huse.

156. DANTE IN ENGLISH TRANSLATION. (5).
The *Vita Nuova* and the *Divine Comedy;* the precursors of Dante and the poets of the *dolce stil nuovo.* Special studies of Dante's political and social philosophy, with particular emphasis on Dante as a poet and as a guide. *Five hours a week, fall quarter.* Professor Huse.

161. ITALIAN LITERATURE OF THE RENAISSANCE. (5). Prerequisite, Italian 51 and 52.
Readings from the principal authors, with special emphasis on Ariosto, Machiavelli, Castiglione, and the lyric poets. Collateral reading on the history of Italian culture during the Renaissance. *Five hours a week, winter quarter.* Professor Huse.

Courses for Graduates

221. OLD ITALIAN. (5).
Reading of the poets previous to Dante. Early monuments. Survey of phonology and morphology. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Holmes.

DEPARTMENT OF RURAL SOCIAL-ECONOMICS

*SAMUEL HUNTINGTON HOBBS, JR., Professor.
**PAUL WOODFORD WAGER, Associate Professor.

The seminar library of the Department of Rural Social-Economics is perhaps the best library of its sort in the United States, particularly in county government, rail-and-water transportation, the country church, farm tenancy, land economics, and state aid to land ownership. It is well equipped with the rare literature of its special field of learning, with standard texts and reference volumes, current reports, bulletins, pamphlets, journals, magazines, and newspaper clippings, etc. It is also a clearing house of information about North Carolina—economic, social, and civil. The files of mounted clippings in rural-social-economic-civic subjects are indexed in accord with the index system of the general library.

Publications of the department consist of the North Carolina Club Yearbook containing particular studies of state-wide problems, and twenty-five numbers each year of the *University News Letter,* which for this twenty-second year has been filled with particular economic-social-civic studies of county, state, and national affairs.

Courses for Graduates and Advanced Undergraduates

101. NORTH CAROLINA: ECONOMIC AND SOCIAL. (5).
This course is designed to familiarize the student with North Carolina: population, agriculture, resources, social life, economic development, industry, wealth, taxation, education, public welfare. *Five hours a week, fall or spring quarter.* Professor Hobbs.

110. LAND ECONOMICS. (5). Prerequisite, Economics 31, 32, or Rural Social-Economics 51, 52.
Problem of land economies, characteristics and classification of land, present and future utilization, property in land, land tenure, land valuation, forest and mineral lands, land taxation, land settlement policies, social ends of land utilization, etc. *Five hours a week, winter quarter.* Professor Hobbs.

134. COUNTY GOVERNMENT AND ADMINISTRATION, (5).
A study of the forms of organization, the functions, and the operation of county government in the United States and especially in North Carolina in their historical development, but with special emphasis on present conditions and tendencies and on possible improvements. Each student will be required to study as intensively as possible the government and administration of one county, preferably his home county, and to put his results into essay form. Textbooks, lectures, and readings. *Five hours a week, winter quarter.* Professor Wager.

Courses for Graduates

271abc. RURAL SOCIAL PROBLEMS. (5 each quarter).
Designated readings on and class discussions of (1) the solitary farmstead and the country community, (2) farm tenancy, (3) country illiteracy, (4) the country school, (5) the country church, and (6) rural citizenship. *Five hours a week, fall, winter, and spring quarters.* Professor Hobbs.

*Absent on leave, spring quarter, 1935-1936.
**Absent on leave, 1935-1936.

301abc. RURAL ECONOMICS. (5 each quarter).
Research, seminars, and field investigations in (1) land economies—resources, values, ownership and tenancy, laws and policies; (2) farm organization and management—farm systems, farm finance, distribution of farm products and the farm income, coöperative farm enterprise; (3) country wealth, country institutions and problems; (4) state and county studies, economic, social, and civic; county bulletins, etc. Required preliminary preparation: approved courses in general and rural economics. Lacking such preparation, collateral courses in these subjects must be taken in residence here. *Five hours a week, fall, winter, and spring quarters.* Professors Hobbs, Wager.

305abc. SEMINAR IN COUNTY ADMINISTRATION. (5).
Research, reading, and conferences on special phases of county organization and administration. Typical subjects for intensive study might be: county consolidation, county management, assessment of property, tax delinquency, county planning. Prerequisite, rural social-economics 134 or two courses in government. *Five hours a week, fall, winter, or spring quarter.* Professor Wager.

311abc. RURAL SOCIAL PROBLEMS. (5 each quarter).
1. Research, seminars, and field investigations of (1) rural social institutions and agencies; (2) transportation and communication facilities in rural areas; (3) country-mindedness and its sequences; (4) town and country interdependencies; (5) social disability in country areas, our public welfare laws and agencies; (6) social aspects of tenancy and illiteracy; (7) state and county studies, economic, social, and civic; county bulletins, etc. 2. Rural Social Survey; research technic, and field work. 3. Statistics; interpretation and use. 4. Rural Social Engineering: (1) county community studies; (2) community organization, economic and social; (3) county government; (4) country leadership, requisites and technic. Required preliminary preparation: approved courses in general and rural sociology. Lacking this, collateral courses in these subjects must be taken in residence here. *Five hours a week, fall, winter, and spring quarters.* Professors Hobbs, Wager.

DEPARTMENT OF SOCIOLOGY

Howard Washington Odum, Harold Dietrich Meyer, Herbert von Beckerath, Professors.

Ernest Rutherford Groves, *Thomas Jackson Woofter, Jr., Research Professors.

Wiley Britton Sanders, Roy Melton Brown, *Lee Marshall Brooks, Associate Professors.

Guy Benton Johnson, Rupert Bayless Vance, Katharine Jocher, Research Associates in the Institute for Research in Social Science.

The work in sociology in the University is organized around the Department of Sociology and the closely related curriculum of Public Welfare and Social Work.

To meet the specific needs of the State and the University, and to some extent the South, a three-fold service has been planned. The first emphasizes instruction in sociology and social problems, including

*Absent on leave, 1935-1936.

teaching in the college and University, extension teaching through the Extension Division or outside communities and through general instruction and promotion of citizenship.

The second emphasizes research and study with special reference to what might be called functional-instrumental social science, looking toward the coördination of theory with practical social problems. Not neglecting historical and theoretical backgrounds, the emphasis is primarily upon the study of contemporary society, with special reference to rapidly changing culture and with more special reference to regional culture, folk society, and demography.

The third aspect of the work emphasizes direct and indirect community services, or social engineering through avenues of community leaders, county superintendents of public welfare, local and district conferences, and community planning for leaders, industrial managers, and others. The department provides for close and cordial coöperation with the State Department of Public Welfare, with other state departments of public service, with other departments and schools of the University, and with local and voluntary agencies.

The Department of Sociology, like those of Economics, Government, and Rural Social-Economics, works in close coöperation with the Institute for Research in Social Science, attempting to select the most important topics for fruitful research, to find available students to do the research, and to direct its progress.

The Department has continued to emphasize problems of regional significance. It has not neglected genuine theory, but has tended to make its theory and background studies instrumental in correlating study and research with folk regional society, regional geography, and a scientific approach to planning. More specifically, it has coöperated with the Tennessee Valley Authority in the study of the social implications of the Tennessee Valley project, and with the Institute for Research in Social Science and the Southern Regional Committee of the Social Science Research Council in a study of the South's capacity for education and development. These special studies, however, have not diverted the interest of the Department from its teaching and study of community and social problems, recreation and leisure time, the family, social pathology, race, human geography, and isolated groups.

Courses for Graduates and Advanced Undergraduates

151. SOCIAL ANTHROPOLOGY. (5).
A general course in social anthropology, but with some attention to physical anthropology and archaeology. The nature of culture; culture processes; the modern cultural environment; and social change. *Five hours a week, spring quarter.* Professor Johnson.

152. SOCIAL THEORY. (5).
A survey of the range of contemporary social theory with preliminary consideration of its historical backgrounds. A study is made of contributions to theories of human ecology, regionalism, population, social differentiation, the social personality, mobility, human nature and culture, collective behavior,

religion, art and the *mores*, the social processes, conflict, and social control. Leading theories are summarized, compared, and criticized. Required in all majors and of all candidates for graduate degrees. *Five hours a week, every quarter.* Professor Vance.

154. CONTEMPORARY SOCIETY.

The study of the cultural evolution of society from the viewpoint of the folk regional development—Folkways—Stateways—Geographic factors—Regions—States—The application to contemporary American society—Application to democracy—Social achievements—The teachings of sociology in relation to modern technology and change.

155. SOCIAL PROGRESS AND SOCIAL VALUES. (5). Prerequisite, two or more courses in Sociology.

This course reviews the theories and philosophy of social progress, studies social trends and social change; attempts to set up objective measuring scales of change; attempts to appraise objectively aspects of material progress and of social progress and social regress. After brief consideration of social values it attempts to set up certain objectives and goals of social achievement as a framework upon which to measure and project human progress. *Five hours a week, winter quarter.* Professor Odum.

160. INTRODUCTION TO SOCIAL WORK. (5).

Essentially a professional course in social problems with the emphasis laid upon methods of treatment by public and private social agencies. After a brief discussion of the nature, purpose, and scope of social work the course will deal chiefly with the technical application of social work to the pathological problems, such as poverty and destitution, physical and mental deficiency, disease, crime, and delinquency. Methods of education and training for social work will also be taken up in considerable detail. *Five hours a week, fall quarter.* Professor Sanders.

161. THE FAMILY. (5).

The history, purpose, and problems of the family with especial attention to social conditions influencing family life and to efforts for family conservation. Open to men and women. *Five hours a week, fall quarter.* Professor Groves.

168. THE COMMUNITY. (5).

1. A descriptive, analytic, and comparative study of urban structure and growth, with primary emphasis upon social planning in connection with such problems and programs as housing, delinquency areas, slum clearance, and recreation. 2. The community and social work; community organization, its origins, development, problems, and prospects. Large use will be made of recent literature in this field. *Five hours a week, winter quarter.* Professor Brooks.

171. EDUCATIONAL SOCIOLOGY. (5).

Education is a process of social control and achievement. The social resources of the school and other educational resources. Social problems of the teacher. *Five hours a week, fall quarter.* Professor Meyer.

173. PLAY AND RECREATION. (5).

The theories of play, play activities, attitudes, history of the play movement, play leadership, programs, values, sex and age differences, classification of movements, application to community life. *Five hours a week, winter quarter.* Professor Meyer.

175. EXTRA-CURRICULAR ACTIVITIES. (3).

Clubs, student participation in school government, physical education, publicity in school publications, commencement, many miscellaneous topics—

the assembly, festival days, suggestions to leaders, home room activities, programs, dramatics, point systems, contributions from national agencies interested in extra-curricular activities, theoretical and practical studies of institutions promoting successful programs, bibliographical materials. *Three hours a week, spring quarter.* Professor Meyer.

185. THE NEGRO. (5).

A study of the American Negro, with particular reference to the South, the historical and cultural background of the Negro in Africa and in America; development since emancipation; bi-racial system; and problems of race relations. *Five hours a week, fall quarter.* Professor Johnson.

186. POPULATION. (5).

A study of problems of quality and quantity of population including theories of population increase, and problems of race, immigration, and eugenics. *Five hours a week, fall quarter.* Professor Woofter.

192. CRIME. (5).

Nature and causes of crime; evolution of modern methods of criminal procedure; administration of penal and reformatory institutions; programs for the social treatment of the criminal; the problems of juvenile delinquency. The class work will be supplemented by field trips to criminal courts and penal institutions. *Five hours a week, fall and spring quarters.* Professor Brooks.

193. SOCIAL PATHOLOGY. (5).

The content and method of this course provide for careful coördination with courses on crime, juvenile delinquency, and general social problems. Its emphasis therefore is on poverty and relief. Minor but intensive study will be given to such social ills as mental defect and disease, alcoholism, prostitution, and vagrancy. Emphasis is given to methods of treatment by private and public institutions and agencies. Class work is supplemented by field trips to county and state institutions. *Five hours a week, fall and spring quarters.* Professor Meyer.

198. JUVENILE DELINQUENCY. (5).

This course deals with the diagnosis and treatment of juvenile delinquency from the social worker's viewpoint. Under diagnosis will be taken up the methodology of the social scientists in this field, and the evaluation of the different causative factors of juvenile delinquency. Under treatment will be covered the work of the juvenile court, probation, parole, and institutional care. *Five hours a week, fall quarter.* Professor Sanders.

Courses for Graduates

208. METHODS IN SOCIAL RESEARCH. (5).

Outlines of social research including the spirit of scientific research, social research, and the new alignment of the social sciences; the historical approach to the social sciences; the qualifications of the social research specialist; the divisions and general methods of social science; types of method and approach; the statistical, the survey, the experimental, the case; the biological, the psychological, the anthropological or comparative, the historical. The range of general sources, research agencies, and groups, reading and bibliography as tools, the utilization of notes and records, schedules, questionnaires, and forms, common sense technique, preparation of manuscript and publication, examples of social research, and bibliographies. *Five hours a week, fall quarter.* Professor Odum.

209. REGIONAL PROBLEMS AND PLANNING. (5).

An extended survey of the field of regional social problems in the Southern States classified and grouped under certain sociological categories and physical backgrounds, cultural patterns, processes of social change, social incidence,

individual and social differentiation, institutions and leadership, social programs, social science, and social research. Theoretical and practical implications of regionalism in social planning. *Five hours a week, winter quarter.* Professor Odum.

210. FOLK SOCIOLOGY. (5).
A study of folk-regional society and of natural societal evolution in contrast to modern technology. The primary basis of the course will be concrete materials related to folk attitudes and cultures, ranging from primitive folklore and folk wisdom to regional culture patterns. The chief objective is an attempt to seek certain contributions to social theory as related to the building of cultures. *Five hours a week, spring quarter.* Professor Odum.

215. SOCIAL DEMOGRAPHY. (5).
The course attempts to synthesize the emerging concepts of culture and the region by depicting the resulting cultural landscape. The contributions of cultural anthropology, social geography, regional sociology, and human ecology are studied in an effort both to evaluate the socially significant factors of the environment and to arrive at a classification of regions, culture areas, and social types. The American South is used as a type study for the survey of regions in transition. *Five hours a week, spring quarter.* Professor Vance.

253. ADVANCED SOCIAL TECHNIQUE. (5).
This is a seminar course on the application of statistical method to social phenomena. Required of all candidates for graduate degrees. *Five hours a week, winter quarter.* Professor Woofter.

327, 328, 329. GRADUATE RESEARCH SEMINARS. (5 each).
Research in selected topics. *Five hours a week, fall, winter, and spring quarters.* Professor Odum.

331, 332, 333. GRADUATE RESEARCH SEMINARS. (5 each).
Research in selected topics. *Five hours a week, fall, winter, and spring quarters.* Professor Groves.

341. SEMINAR. (5).
Individual research in a special field under the direction of a member of the department.

DEPARTMENT OF ZOÖLOGY

HENRY VANPETERS WILSON, ROBERT ERVIN COKER, Professors.
CHARLES DALE BEERS, Associate Professor.
DONALD PAUL COSTELLO, Assistant Professor.

Those who find themselves strongly interested in zoölogy will meet with opportunities for teaching and investigation in several of the subdivisions of present-day universities, such as college, technological, medical, and graduate schools. Others will find their best opportunity, especially if their interest centers around problems of cellular biology, in research institutions of a more or less medical character. Museums need the service of many zoölogists as curators. Curators are expected to acquire intimate and extensive knowledge of the classification and natural history of some particular group. Somewhat the same kind of specialization is demanded of those who are drawn into institutions for the betterment of public health, some concentrating on the parasitic worms, etc. There is, finally, much work of an economic nature that is carried on by zoölogists in the

service of national and state bureaus, such as the U. S. Bureau of Fisheries, the several bureaus under the U. S. Department of Agriculture, and the National Park Service.

The department occupies, along with the Department of Botany, the biological building, known as Davie Hall. The department is provided with the usual equipment of books, collections, and instruments, including excellent photographic apparatus, for graduate work. The departmental library receives the American and the more important foreign journals. It has a good working collection of treatises and monographs and a large collection of reprints. The department is prepared to direct research on the general problems of cellular biology as presented in the embryological and regenerative processes of animals, more especially the lower metazoa (sponges and coelenterates) and lower vertebrates (fishes and amphibia); on the physiology and ecology of lower aquatic animals; on the phenomena of variation as exemplified in the classification of sponges and of copepods, and on the life-cycles of protozoa from the comparative and experimental standpoints. Investigations along these lines have now been carried on for many years. The published records have appeared from time to time in the zoölogical journals (*Journal of Morphology, Journal of Experimental Zoölogy, Memoirs Museum Comparative Zoölogy, Bulletin U. S. Bureau of Fisheries, Bulletin U. S. National Museum, Anatomischer Anzeiger, Internationale Revue der gesamten Hydrobiologie und Hydrographie, Bulletin Biologique de la France et de la Belgique, Archiv fuer Protistenkunde, Journal Elisha Mitchell Scientific Society, American Naturalist, Proceedings National Academy of Sciences, British Journal of Experimental Biology,* etc.) and the chief data have been incorporated in treatises that are in general use. Opportunity to carry on investigations at the seaside may usually be obtained during the summer at the biological station of the U. S. Bureau of Fisheries situated at Beaufort, N. C.

The courses listed below are such as lead more especially to the master's degree (A.M. or S.M.). For the Ph.D. degree the essential requirement is that the candidate shall have such a grasp of the concepts and methods of zoölogy as will enable him independently to acquire knowledge of some importance that is new to science. This depends not only on manipulative skill and experience but also on ability to handle the literature of the subject, the treatises, handbooks, and especially the current journals. A reading knowledge of French and German is required of candidates for the Ph.D. degree.

Courses for Graduates and Advanced Undergraduates

103. COMPARATIVE ANATOMY OF VERTEBRATES. (5). Prerequisite, Zoölogy 41ab and 42ab.

Dissection of types especially amphioxus, petromyzon, fish, fowl, rabbit. Laboratory work with occasional lectures. *Ten laboratory hours a week, fall quarter. Laboratory fee, $7.50.* Professor Beers.

104. COMPARATIVE EMBRYOLOGY OF VERTEBRATES. (5). Prerequisite, Zoölogy 41ab and 42ab.

Maturation and fertilization phenomena in some invertebrate types; segmentation and formation of germ layers in frog and teleost fish; germ layers and development of characteristic vertebrate organs in chick; essentials of microscopic technique. Laboratory work with occasional lectures. *Ten laboratory hours a week, winter quarter. Laboratory fee, $5.00.* Professor Beers.

105. COMPARATIVE HISTOLOGY OF VERTEBRATES. (5). Prerequisite, Zoölogy 104.

Microscopic preparations of selected tissues and organs are made from the fresh animal and studied with the help of texts and original papers. Laboratory work with assigned readings and seminar reports. *Ten laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Professor Beers.

106-107-108. MORPHOLOGY AND CLASSIFICATION OF THE INVERTEBRATES. (15). Prerequisite, Zoölogy 41ab and 42ab.

Dissection and microscopic study of types of the chief orders, with some consideration of life histories; systematic diagnosis. Basic course for all advanced work in zoölogy. Laboratory work with occasional lectures. *Ten laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Professor Wilson.

109. INTRODUCTION TO HYDROBIOLOGY. (5). Prerequisite, Zoölogy 41ab and 42ab.

A study of animal life in water, with special reference to the relation of animals to each other and to their environments. Field and laboratory work, lectures, reading of special papers, discussions. *Ten laboratory hours a week, fall quarter. Laboratory fee, $5.00.* Professor Coker.

110. PARASITOLOGY (MEDICAL ZOÖLOGY). (5). Prerequisite, Zoölogy 41ab and 42ab.

A consideration of the structure, classification, and life histories of the protozoa and worms of medical importance and of the arthropods which either cause disease directly or which transmit the causative agents of disease. *Lectures and demonstrations, five hours a week, winter quarter.* Professor Beers.

Courses Primarily for Graduates

209-210-211. GENERAL EMBRYOLOGY AND REGENERATION. (15 or more).

Embryology and regeneration in the lower metazoa and simpler vertebrates. *Not less than ten laboratory hours a week, fall, winter, and spring quarters. Seminar reports. Laboratory fee, $5.00 a quarter.* Professor Wilson.

212. HYDROBIOLOGY. (5). Prerequisite, Zoölogy 109.

The study of aquatic organisms and environments, with attention restricted to a particular topic, as a small group of animals, a limited set of habitats, or special phenomena of behavior. The work is on the border line of research, involving critical examination of literature, as well as field and laboratory study and seminar reports. *Ten laboratory hours a week, fall, winter, or spring quarter. Laboratory fee, $5.00 a quarter.* Professor Coker.

215. PROTOZOÖLOGY. (5).

Special study of the protozoa living in man and lower animals, with consideration of host-parasite relationships and with comparative studies on a few free-living forms. Laboratory work with occasional lectures, assigned readings, and seminar reports. *Ten laboratory hours a week, fall or spring quarter. Laboratory fee, $5.00.* Professor Beers.

217. CELL PHYSIOLOGY. (3). Prerequisite, Organic Chemistry.
A consideration of the physico-chemical aspects of protoplasm, including recent studies on cataphoresis, permeability, surface tension, pH, viscosity changes, and other measurable properties of living cells. (1936 and alternate years). *Three hours a week, winter quarter.* Professor Costello.

316. RESEARCH. (3 or 5 or more).
Under this heading may be credited the work of a single quarter or that of one or more years. *Six or ten or more laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $3.00 or $5.00 a quarter.* Professor Wilson or Professor Coker or Professor Beers.

ADDITIONAL COURSES FOR GRADUATE CREDIT

Certain courses in the School of Law may be elected as minors by properly qualified graduate students. These courses are the following: Administrative Law, Negotiable Instruments, Municipal Corporations, Carriers, Insurance, Sales, Corporations, Constitutional Law, Criminal Law, Evidence, Persons.

CALENDAR

SESSION, 1936-1937

1936	
June 11-July 22	Summer Session, First Term.
July 23-August 29	Summer Session, Second Term.
September 17	*Thursday.* *Registration for first semester.
September 18	*Friday.* Classes for first semester begin.
October 12	*Monday.* University Day.
November 25	*Wednesday.* Thanksgiving recess begins (1:00 p.m.)
November 30	*Monday.* Thanksgiving recess ends (8:30 a.m.)
Dec. 19 (afternoon)-December 30	Christmas Recess.
December 31	*Thursday.* Christmas Recess ends (8:30 a.m.)
1937	
January 30	*Saturday.* First semester ends.
February 1	*Monday.* *Second semester begins. Registration day.
April 11-18	*Sunday through Sunday.* Spring Recess.
June 6-8	*Sunday through Tuesday.* Commencement Exercises.

* Each student registering later than this date must pay five dollars ($5.00) as an additional fee for delayed registration.

Manning Hall, Law Building

THE SCHOOL OF LAW

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*
ROBERT BURTON HOUSE, A.M., *Dean of Administration.*
MAURICE TAYLOR VAN HECKE, Ph.B., J.D., *Dean.*

*THE ADMINISTRATIVE BOARD

HOWARD WASHINGTON ODUM, Ph.D., *Kenan Professor of Sociology and Director of the Institute for Research in Social Science.*
ALLAN WILSON HOBBS, Ph.D., *Professor of Mathematics and Dean of the College of Arts and Sciences.*
DUDLEY DEWITT CARROLL, A.M., *Professor of Economics and Dean of the School of Commerce.*
FREDERICK BAYS MCCALL, A.B., LL.B., *Professor of Law.*
ROBERT HASLEY WETTACH, A.M., LL.B., S.J.D., *Professor of Law.*
MILLARD SHERIDAN BRECKENRIDGE, Ph.B., LL.B., *Professor of Law.*

FACULTY

MILLARD SHERIDAN BRECKENRIDGE, Ph.B., LL.B., *Professor of Law.*

Ph.B., 1917, University of Chicago; LL.B., 1918, Yale University. General law practice, 1919-1922. Assistant Professor of Law, State University of Iowa, 1922-1924; Associate Professor of Law, Western Reserve University, 1924-1927; Professor of Law, The University of North Carolina, 1927—

**JAMES HARMON CHADBOURN, A.B., J.D., *Assistant Professor of Law.*

A.B., 1926, The Citadel; J.D., 1931, The University of North Carolina. Research for Commission on Interracial Coöperation, 1931-1932. Instructor in Law, The University of North Carolina, 1932; Assistant Professor, 1932—

ALBERT COATES, A.B., LL.B., *Professor of Law.*

A.B., 1918, The University of North Carolina; LL.B., 1923, Harvard. Associate Professor of Law, The University of North Carolina, 1923-1927; Professor of Law, 1927—

FRANK WILLIAM HANFT, A.B., LL.B., S.J.D., *Associate Professor of Law.*

LL.B., 1924, LL.M., 1929, A.B., 1929, University of Minnesota; S.J.D., 1931, Harvard University. General law practice, 1924-1929. Instructor in Law, University of Minnesota, 1929-1930; Fairchild Research Fellow, Harvard Law School, 1930-1931; Associate Professor of Law, The University of North Carolina, 1931—

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.
** Absent on leave, 1936-1937.

FREDERICK BAYS MCCALL, A.B., LL.B., *Professor of Law.*

A.B., 1915, University of North Carolina; LL.B., 1928, Yale University. General law practice, 1922-1926. Assistant Professor of Law, The University of North Carolina, 1926-1927; Associate Professor of Law, 1928-1933; Professor of Law, 1933—

ATWELL CAMPBELL MCINTOSH, A.M., LL.D., *Kenan Professor of Law Emeritus.*

A.B., 1881, A.M., 1887, LL.D., 1923, Davidson College. General law practice, 1882-1904. Professor of Law, Trinity College, 1904-1910; Professor of Law, The University of North Carolina, 1910-1934; Kenan Professor of Law Emeritus, 1934—

DONALD WILLIAM MARKHAM, A.B., J.D., *Assistant Professor of Law.*

A.B., 1931, Colgate University; J.D., 1936, The University of North Carolina. Assistant Professor of Law, The University of North Carolina, 1936-1937.

JOHN ELDON MULDER, A.B., LL.B., LL.M., *Assistant Professor of Law.*

A.B., 1928, State University of Iowa; LL.B., 1931, University of Wisconsin; LL.M., 1933, Columbia University. General law practice, 1933-1934. Instructor in Law, University of Wisconsin, 1931-1932; Assistant Professor of Law, The University of North Carolina, 1934—

MAURICE TAYLOR VAN HECKE, Ph.B., J.D., *Professor of Law and Dean.*

Ph.B., 1916, J.D., 1917, University of Chicago. Legislative Reference Bureau, Springfield, Ill., 1917-1920. Assistant Professor of Law, West Virginia University, 1920-1921; Associate Professor of Law, The University of North Carolina, 1921-1923; Associate and Professor of Law, University of Kansas, 1923-1927; Visiting Professor of Law, Yale University, 1927-1928; Professor of Law, The University of North Carolina, 1928—; Dean, 1931—

ROBERT HASLEY WETTACH, M.A., LL.B., S.J.D., *Professor of Law.*

A.B., 1913, M.A., 1914, LL.B., 1917, University of Pittsburgh; S.J.D., 1921, Harvard. General law practice, 1919-1920. Assistant Professor of Law, The University of North Carolina, 1921-1923; Associate Professor of Law, 1923-1926; Professor of Law, 1926—

LUCILE MARSHALL ELLIOTT, A.B., *Law Librarian.*

MARGARET E. HALL, B.L.S., LL.B., *Assistant Law Librarian.*

LUCY BEVERLY EVANS, A.B., A.M., *Secretary.*

GENERAL STATEMENT

HISTORY. The law school, which developed into the School of Law of the University, was founded in 1843 at Chapel Hill as a private school by William H. Battle, then a judge of the Superior Court, later a justice of the Supreme Court of the State. In 1845 Judge Battle was made Professor of Law in the University, and it was provided that the degree of Bachelor of Laws should be conferred on those com-

pleting the prescribed two-year course. From the records of the University, however, it seems that few degrees were actually conferred. For a long time the school maintained a certain independence of the University. The professor of law received no salary, though he enjoyed the fees from his classes, and the students were not entirely subject to the discipline of the University.

This was the position of the school from its formation until 1899, a period which covered the professorship of Judge Battle who retired in 1879; two years when the law classes were conducted by Kemp P. Battle, then President of the University; and the professorship of John Manning, elected 1881, died 1899. In 1899 the school was completely incorporated into the University, with the late James C. MacRae, previously a justice of the Supreme Court of North Carolina, as the first Dean of the Law School.

The School of Law having complied in full with the requirements set up by the American Bar Association has been classed as an "approved law school."

The School of Law is a member of the Association of American Law Schools, an association composed of the leading law schools in the United States.

A carefully compiled list of approved law schools, whose credits are acceptable as evidence of due preparation for the New York Bar Examinations, is published by the University of the State of New York. The School of Law is accredited in this list for the full three years' work.

REQUIREMENTS FOR ADMISSION

Regular Students

The matter of admission to the School of Law, as to all the other schools and colleges of the University, is arranged through the Dean of Admissions of the University.

The Dean of Admissions passes upon all applications for admission, and all inquiries as to eligibility to enter should be addressed to him. Those who intend to enter must furnish to him (a) a certificate of successful vaccination against smallpox, and (b) a certificate showing the completion of a four years' high school course of fifteen units and the completion of not less than three years of college work, which must be approved as satisfactory. These certificates should be sent by mail to the Dean of Admissions at least two weeks before registration day, if possible.

The academic requirements for admission to the School of Law may be satisfied by:

(1) An *academic degree* from the University of North Carolina or any other standard college or university approved by the Dean of Admissions.

(2) *Three years* of academic work prescribed in the "Combined Course in Arts and Law" or in "Commerce and Law" as described below.

(3) *The first three years complete* of the regular work prescribed for a degree (a) in the College of Arts and Sciences, or the School of Commerce, or (b) in a similar curriculum in some other standard college or university.

All regular applicants for admission to the School of Law must have received a grade of C or better in at least fifty *per cent.* of their undergraduate courses.

Special Students

A limited number of special students, not eligible for a degree, may be admitted each year, provided the aggregate total does not exceed ten per cent of the average number of beginning regular students admitted during the two preceding years. They must be at least twenty-three years of age and must furnish evidence to satisfy the law faculty that their business experience has equipped them to engage successfully in the study of law in spite of their lack of a college education. Applications for admission to the summer school as special students will be acted upon on May 15; for admission to the regular session, on September 1, each year. All special students will be admitted for a maximum period of one year or for shorter periods in unusual cases. Their readmission for each academic year thereafter will be determined on the basis of their records.

Admission to Advanced Standing

A student from another school of law, in which the requirements for admission are at least as high as in this school, may be admitted to advanced standing for the degree of LL.B. As a rule no more than one year's work will be so credited without residence, but with the consent of the law faculty two years' work may be credited in exceptional cases, provided the last year of work for the law degree is done in residence. A student seeking admission to advanced standing must present satisfactory evidence that the work taken in another school is substantially equivalent to that given in the corresponding year here, both in the character of the work covered and in the amount of time devoted to each subject.

EXPENSES

Regular Session

	Residents of N. C.	*Non-Residents of N. C.*
Tuition fee for fall and spring semesters, each	$50.00	$100.00
*Matriculation fee, each term	21.75	21.75

* This includes the gymnasium fee, the library fee, the fee for attendance of the University physician, and the fee for debates.

Student publication fee, each term	3.45	3.45
Student activities fee, each term	2.50	2.50
Laundry deposit, each term	12.75	12.75
Student union fee, each term	1.50	1.50
Law Library fee	2.50	2.50
	$94.45	$144.45

Summer Law School fees for 1936 are: $40.00 each term or $75.00 for both terms. These fees are subject to change.

Books

Books for law students, bought new, will average about $50.00 a year. A saving below this figure can be made by taking advantage of the secondhand market.

Dormitory

Rooms may be rented in Carr Building, reserved exclusively for law students, at $90.00 for each occupant for the year for a double room; or at $76.50 for each occupant for a suite of three rooms. Carr Building is also available to students registering in the Summer Law School. Room rent for each occupant of a double room is $15.00 for each summer term of five and one-half weeks.

THE SUMMER SCHOOL

The summer session of the School of Law offers opportunities for students to supplement the work of the regular year by additional courses, some of which are not otherwise available, or to shorten the period of study for the law degree to two regular years and three summer sessions. The summer session is divided into two terms of five and one-half weeks each. Separate credit may usually be obtained for the work of each term. Attendance throughout the entire summer session enables the successful student to obtain credit equivalent to one-third of a regular year's work.

A full curriculum is provided for both beginning and advanced students. The faculty always includes as visiting professors a number of distinguished law teachers from other universities.

The program for the 1936 summer session follows:

First Term, June 11 to July 22

CONSTITUTIONAL LAW
Thomas Reed Powell, Harvard University.

CONFLICT OF LAWS
Walter Wheeler Cook, Northwestern University.

TORTS
Douglas Blount Maggs, Duke University.

CONTRACTS
John Eldon Mulder, The University of North Carolina.

Second Term, July 23 to August 29

TAXATION
Arthur H. Kent, Assistant General Counsel, U. S. Bureau of Internal Revenue.

FEDERAL PROCEDURE
James Harmon Chadbourn, The University of North Carolina.

AGENCY
Millard Sheridan Breckenridge, The University of North Carolina.

DOMESTIC RELATIONS
Frank William Hanft, The University of North Carolina.

THE LAW BUILDING

The School of Law occupies Manning Hall, named for John Manning, from 1881 to 1899 a distinguished professor in the School. The building was erected in 1923 and, besides being modern and commodious, is particularly notable for beauty of design.

THE LAW LIBRARY

The library has 34,600 well selected volumes on its shelves. These include the reports of the courts of last resort of all the states, either in official volumes or the National Reporter System, and also the United States Supreme Court Reports, The Federal Reporter, The New York Supplement, Illinois Appellate Reports, The English Reports Reprint, The Law Reports (English), The Law Journal Reports, The Law Times Reports, The Times Law Reports, The Dominion Law Reports, the codified laws of each state in the union, the federal and English statutes, and a comprehensive selection of digests, encyclopedias, annotated reports, textbooks, and law journals. It contains, among other material of historical legal interest, the law libraries of Chief Justice Richmond M. Pearson, Chief Justice William A. Hoke, Judge Charles M. Cooke, Judge Charles Thomas, and Judge George T. Willis. The law library was substantially augmented in 1928 by a gift from a former student of the School of $10,000, called the Lucius Polk McGehee Memorial Fund, which was expended for the purchase of books for the law library.

THE NORTH CAROLINA LAW REVIEW

The North Carolina Law Review, issued quarterly, is published by the School. It is devoted to the discussion of general and local legal problems and new cases, especially those of interest to North Carolina lawyers. The notes on recent cases are prepared by the student editors, in consultation with faculty advisers. Selection of the student editors is made by the faculty on the basis of scholarship, and membership on the editorial board is the highest scholastic honor attainable by a law student before the graduating year.

The Hill *Law Review* Prize, established by George Watts Hill, Esq., of the Durham Bar, is an award of fifty dollars to the student editor who makes the best total contribution to the *Law Review* during the year. It was won in 1935 by Donald William Markham and in 1936 by Staton Pender Williams.

FACULTY RESEARCH ASSISTANTS

The faculty selects annually four assistants from the student body who conduct special research under the direction of the faculty. These assistants are chosen for outstanding proficiency demonstrated in their work as students in the School of Law.

The following students have served as research assistants during the year 1935-36: D. W. Markham, F. M. Parker, W. R. Booth, N. A. Townsend, and P. R. Rankin.

THE ORDER OF THE COIF

In thirty of the leading law schools of this country, conforming to very high standards, chapters of the honorary law school society of the Order of the Coif have been established. Membership is awarded each year to those students of the senior class who throughout their law school careers have attained a standing among the highest ten per cent. of their class. In 1935 the following were elected: J. B. Adams and E. C. Willis, Jr.; in 1936: W. R. Booth, D. W. Markham, and F. M. Parker.

DEGREES

The Degree of LL.B.

The degree of Bachelor of Laws (LL.B.) is conferred upon a regular student who has studied law for a period of at least three academic years, and has passed satisfactory examinations on all required subjects and enough elective subjects to make up an aggregate of seventy-eight semester hours. Two long sessions and three summer sessions of at least ten weeks each are regarded as a compliance with the residence requirement.

The Degrees of A.B. and LL.B.

The University offers a combined curriculum in the College of Arts and Sciences and the School of Law by completing which students may receive the two degrees of A.B. and LL.B. in six years instead of the seven years required for the two degrees in the regular curricula.

Upon the completion of the courses in the General College and the College of Arts and Sciences outlined below, *before matriculation in the School of Law,* and the completion of the first year of Law to the satisfaction of the School of Law, a student may receive the degree of A.B., and, upon the satisfactory completion of the third year of Law, the degree of LL.B.

Prescribed courses in the General College and the College of Arts and Sciences for the two degrees of A.B. and LL.B.:

FIRST YEAR	SECOND YEAR	THIRD YEAR
Eng. 1-2-3	Eng. 21-22-23	Econ. 21-22-23 (if not already taken).
Soc. Sci. 1-2-3	Hist. 21-22-23 or 44-45-46	§English 44 and one other course of 5 quarter hours.
*Math. 1-2-3		‡Hist. and Polit. Sci. —2 courses of 5 quarter hrs. each.
Hygiene 1-2-3		Psychology 21-22-23 (if not already taken).
Select one: Greek 11-12-13; †French 11-12-13; †German 11-12-13; **Latin 11-12-13; †Spanish 11-12-13	Select one: Econ. 21-22-23; Polit. Sci. 31-32-33; History 21-22-23; Hist. 44-45-46; Philos. 21-22-23; Philos. 24-25-26; Sociol. 21-22-23	One Elective of 5 quarter hours (or as many as needed to complete 9 courses above the freshman and sophomore years.)
Select one: Biology 1-2-3; Chem. 1-2-3; Geology 11-12-13; Physics 1-2-3	Select one: **Latin 21, 24-25; Greek 21-22-23; French 21-22-23; German 21-22-23; Spanish 21-22-23	
	Select one: Botany 41, 43; Chem. 1-2-3 or 4-5 or 31 and 41; Physics 21-22-23; Zoölogy 41, 42; Botany 41 and Zoölogy 41; Geology 11-12-13; Psychology 21-22-23	

The Degrees of S.B. in Commerce and LL.B.

The University offers a combined curriculum which leads to the degree of S.B. in Commerce at the end of four years and LL.B. at the end of six years.

The first three years of this combined curriculum are in the General College and the School of Commerce and are devoted to the subjects outlined below. The last three years are in the School of Law and are devoted to the courses prescribed for the LL.B. degree.

The degree of S.B. in Commerce, on this basis, is conferred at the end of the fourth year (first year in Law) provided the student has passed all the work of the first year of Law to the satisfaction of the School of Law.

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* Latin 11-12-13 or Greek 11-12-13 may be substituted for Mathematics 1-2-3 provided German or French or Spanish or the other classical language has been chosen as the student's regular foreign language.

† If the student's preparation is not sufficient for the intermediate work, he will take courses 1-2-3, six hours a week, and receive credit for 11-12-13.

** Latin 11-12-13, 21, 24-25 are to be taken by students who have presented two units for entrance. See footnote just above this.

§ The School of Law recommends that the optional course chosen be Advanced Composition, Eng. 52.

‡ The School of Law recommends that the courses in History and Political Science be courses in English and American History or Government.

Prescribed courses in the School of Commerce are as follows:

FIRST YEAR

Biology 1-2-3c
English 1-2-3
Soc. Sci. 1-2-3
Mathematics 1-2-3
*Modern Language: 11-12-13
Hygiene 1-2-3

SECOND YEAR

Economics 21-22-23
†Economics 11 or 35
English 21-22-23
English 45 or 52
*Modern Language: 21-22-23
Polit. Sci. 51
**Natural Science: year course

THIRD YEAR

Commerce 51
Commerce 71-72
Economics 81-82
Economics 191 or 195
Psychology 21-22-23 (if not already taken).
Two courses chosen from the courses offered by the Department of Economics and Commerce.

The Degree of J.D.

The degree of Doctor of Law (Juris Doctor—J.D.) will be conferred upon students who comply with all the following conditions:

1. Complete the work requisite for the A.B. degree or its equivalent before entrance upon the work of the School of Law.

2. Study law for a period of at least three academic years.

3. Obtain an average grade of B on enough subjects to complete the requirements for the LL.B. degree.

4. Prepare and have accepted for publication in *The Law Review* an article of at least ten pages, or case notes which in the aggregate shall be at least eight pages in length.

The Degree With Honors

The degree with honors will be conferred, upon recommendation of the faculty, upon students selected from the highest one-tenth of the graduating class. In 1935 the recipient of this award was Joel Barber Adams; in 1936, Frank Marion Parker.

SCHOLASTIC REGULATIONS

Mid-semester quizzes will be held in each first-year course in November and in April. At the end of the first semester, examinations will be given in all courses running through the year. Final examinations are held at the end of the first semester in all subjects then completed, and at the close of the year in all other subjects.

The grading of students will be indicated by the letters A (80 and

* The total requirement in modern languages is two years' work of collegiate grade based upon 2 units completed in high school or the equivalent in the elementary courses taken here.

† The course not taken here must be taken as part of the junior work.

** To be selected from the list given under the second year of the curriculum for A.B.-LL.B. above.

above), B (75-79), C (67-74), D (60-66), F (below 60), representing respectively excellent, good, satisfactory, poor, and failed. A student receiving the grade of F (failed) in any subject will be required to repeat the course for credit.

Beginning with the class entering in the fall of 1936, students in the second and third year courses will be given grades of "Passed" or "Failed." The numerical course grades, however, will be recorded in the office. At the end of the year each student will be given his composite weighted numerical average. At the end of the first semester those students whose averages are approaching the danger point will be called in by the Dean for consultation. First year students, however, will continue as at present to receive numerical grades.

Beginning with the class entering in the fall of 1936, each student will be required, in order to remain in school, to attain a composite weighted average of 62 on the first year's work; a cumulative composite weighted average of 65 on the first and second year's work; and a cumulative composite weighted average of 65 on the first, second and third year's work. In order to be eligible to receive a law degree each student will be required to attain a cumulative composite weighted average for the entire three year's work of 67.

The faculty may drop from the school at any time any student who, in their judgment, is not making sufficient progress to warrant his continuing in the School. Any instructor, with the concurrence of the Dean, may drop a student from a course at any time, for unsatisfactory work, poor attendance, or other good cause.

Hereafter no student excluded from the Law School for deficiencies of scholarship may be readmitted except by taking, with the approval of the Dean, re-examinations in those courses where he has done his poorest work, and by attaining such grades thereon as will raise his cumulative composite average to the required level. No special examinations will be given. The student will be required to take the examinations when they are later regularly held in the respective courses. The grade attained on the re-examination shall be final, even though lower than that received on the original examination.

NUMBER OF HOURS OF WORK REQUIRED AND PERMITTED

The normal amount of work is thirteen class hours a week. The absolute maximum is fifteen. Students taking courses in other departments of the University, or who are carrying burdensome responsibilities, or who are deficient in their work, will be required to register for less than the normal Law School work.

No student taking fewer than ten hours will be considered as complying with the residence requirements for University degrees or for the State Bar Examination. Special regulations are applicable to the Summer Session.

DIVISION OF ACADEMIC YEAR: DATES

Work in the School is divided into two semesters instead of into three quarters. The first semester begins at the same time as the fall quarter of the College of Arts and Sciences, and ends on the last Saturday in January. The second semester begins on Monday after the last Saturday in January and ends at the same time as the third quarter of the College of Arts and Sciences. The first day of each semester is Registration Day. The fee for late registration in either semester is $5.00.

Beginning students may enter the School in the summer session, or at the opening of the first semester in the fall. They may not enter at the beginning of the second semester.

STUDENTS FROM OTHER STATES

While greater emphasis is placed upon North Carolina decisions and statutes than upon those of the other states, the legal doctrines are studied as part of the Anglo-American common law system and the case-books used are selections of cases taken from the American and English jurisdictions. Students from other states are encouraged to investigate the decisions and statutes of their own states in regard to the questions discussed, and the law library provides the materials necessary for such investigation. The law course as a whole is designed to prepare the student in the fundamentals of the common law in such a manner as to fit him for practice in any state.

SUBJECTS OF INSTRUCTION

All subjects in the first year are prescribed. Those in the second and third years are elective, but second-year students may not elect third-year subjects except by permission of the Dean.

FIRST YEAR

First Semester	*Hours*	*Second Semester*	*Hours*
Administration of Justice	2	Civil Procedure I	3
Contracts I	3	Contracts I (continued)	3
Criminal Law	3	Legal Bibliography	1
Personal Property	2	Real Property I	3
Torts	3	Torts (continued)	3

SECOND YEAR

Agency	3	Civil Procedure II (continued)	2
Civil Procedure II	2	Credit Transactions (continued)	3
Contracts II	3	Domestic Relations	3
Credit Transactions	3	Insurance	3
Criminal Law Administation	3	Local Government	3
Equity	4	Negotiable Instruments	4
Real Property II	3	Wills	3
Vendor and Purchaser	2		

THIRD YEAR

Corporations	4	Appellate Practice	2
Debtors' Estates	3	Conflict of Laws	4
Evidence	4	Constitutional Law	5
Future Interests	3	Public Utilities	3
Labor Law	3	Trusts	3

DESCRIPTION OF COURSES

First Year

ADMINISTRATION OF JUSTICE

The organization, objectives, ethics, and training of the legal profession; the organization and functions of the judiciary. Sunderland's *Cases on Judicial Administration. Two hours, first semester.* Mr. Van Hecke.

CIVIL PROCEDURE I

The development of the English and American court systems, and of the various forms of action, at common law and under the codes; a cross-section of modern code pleading and procedural problems. Clark's *Cases on Procedure, Vol. I. Three hours, second semester.* Mr. Markham.

CONTRACTS I

Contract problems arising in the fields of employment, construction projects, gratuities, loans, and sales of chattels. Havighurst's *Contract Cases. Three hours, both semesters.* Mr. Mulder.

CRIMINAL LAW

Introduction: the problem of criminal justice. The history of criminal procedure, nature and elements of a crime, act and intention. Attempts, jurisdiction, consent, recrimination and condonation, culpability as affected by necessity, duress, coverture, infancy, insanity, etc. Justification and excuse, self-defense. Parties. Criminal conspiracy. Former jeopardy. Specific crimes: homicide, rape, assault, larceny, embezzlement, false pretenses, receiving stolen property, robbery, burglary, arson, forgery, perjury. Sayre's *Cases on Criminal Law. Three hours, first semester.* Mr. Coates.

LEGAL BIBLIOGRAPHY

A practical course in the use of law books. The problems assigned require finding authorities upon concrete fact situations through the use of digests, encyclopedias, textbooks, annotated cases, and constitutional and statutory sources. *Law Books and Their Use* (6th. ed.). *One hour, second semester.* Miss Elliott; Mr. Van Hecke.

PERSONAL PROPERTY

Distinction between real and personal property. Possession. Bailment. Rights of finders. Liens. Pledges. Acquisition of ownership. Fixtures. Emblements. Bigelow's *Cases on Personal Property* (2nd. ed.). *Two hours, first semester.* Mr. McCall.

REAL PROPERTY I

Historical background of feudal system of land tenures in England and tenure in the United States. The creation of estates in land, free-hold and non-freehold; their characteristics and incidents. Conveyances at common law. Concurrent estates in land. Reversions and remainders. Incidents of possessory ownership, including lateral and subjacent support, use of streams and of surface and percolating waters, and freedom from interference with and restrictions on enjoyment of ownership. Uses. Powell's *Cases on Possessory Estates. Three hours, second semester.* Mr. McCall.

TORTS

Principles of tort liability as developed in the action of trespass; justification and excuse; negligence as a basis of liability; common law and statutory duties of care; legal cause; contributory negligence; absolute liability; deceit; defamation; malicious prosecution and abuse of process; interference with social and business relations. Bohlen and Harper's *Cases on Torts. Three hours, both semesters.* Mr. Wettach.

Second and Third Years

AGENCY

Distinction between agency and other legal relationships. Express, implied, and apparent authority of agent; liability of disclosed and undisclosed principal to third party in contract and in tort; liability of agent to third party and of third party to principal and agent; ratification of unauthorized acts; termination of agency. Assigned problems will also be given in the law of workmen's compensation. Steffen's *Cases on Agency. Three hours, first semester.* Mr. Breckenridge.

CIVIL PROCEDURE II

A consolidation of the problems formerly treated in the courses in code pleading, trial procedure, and a part of trial and office practice. It emphasizes the proceedings in actions brought under the code system of procedure from their commencement, through the pleading and trial stages, to appellate review and the enforcement of final judgment. Clark's *Cases on Procedure,* Vol. II, and Hinton's *Cases on Trial Practice. Two hours, both semesters.* Mr. Markham.

CONTRACTS II

The consequences of various types of defects in the formation and performance of contracts; legal and equitable remedies, including reformation, cancellation, and quasi-contractual relief; conditions; impossibility; fraud and misrepresentation; duress; undue influence, economic pressure; mistake of fact and law. Patterson's *Cases on Contracts,* Vol. II. *Three hours, first semester.* Mr. Mulder.

CREDIT TRANSACTIONS

Devices employed in furnishing security, including suretyship, guaranty, mortgages, deeds of trust, trust receipts, pledges, and conditional sales. Treated from the standpoint of problems gathering about the bargain at various stages from inception to completion, and the objectives obtainable by different forms of transaction. Sturges's *Cases on Credit Transactions* (2nd. ed., 1936). *Three hours, both semesters.* Mr. Hanft.

CRIMINAL LAW ADMINISTRATION

Organization and procedure in criminal courts: city, county, state, and federal; machinery and methods for prevention of crime, detection, apprehension, and trial of criminals; agencies for punishment, probation, pardon, and parole. Keedy's *Cases on Administration of Criminal Law. Three hours, first semester.* Mr. Coates.

DOMESTIC RELATIONS

Legal problems involved in (1) Marriage and Divorce and in the relations of (2) Husband and Wife, (3) Parent and Child, (4) Property, Contracts and Torts of Married Women and Infants. McCurdy's *Cases on Domestic Relations. Three hours, second semester.* Mr. Coates.

EQUITY

The historical development of courts of equity in England and America; the fusion movement; equitable defenses and transfer acts; the procedural problems connected with specific performance, injunction, contempts, and declaratory judgments. Clark's *Cases on Procedure,* Vols. I and II (parts). *Four hours, first semester.* Mr. Van Hecke.

INSURANCE

The doctrines of law peculiarly applicable to the more important branches of the insurance business will be treated from the standpoint of their relations to economic functions, to business practices, and to other legal and social institutions, with frequent emphasis on current problems. The topics dealt with include: types of insurance organizations; state supervision and control of the insurance business; the interests protected by insurance contracts; the selection and control of risks; the distribution of insurance coverage and service; the adjustment of losses. Patterson's *Cases and Materials on Insurance. Three hours, second semester.* Mr. Mulder.

LOCAL GOVERNMENT

Constitutional limits within which the cities, counties, and state may operate; functions performed by the various local governmental units; their interlocking, overlapping, and conflicting interests. Seasongood's *Cases on Municipal Corporations. Three hours, second semester.* Mr. Coates.

NEGOTIABLE INSTRUMENTS

Form and content of checks, drafts, notes, and trade acceptances; their use in the business and banking fields, negotiability, acceptance, and certification; rights of holder in due course and liability of parties; clearance and collection of checks, presentment, notice of dishonor; the provisions of the negotiable instruments law. Britton's *Cases on Bills and Notes* (2nd. ed.). *Four hours, second semester.* Mr. Breckenridge.

REAL PROPERTY II

Possessory titles. Prescription. Accretion. Mode of conveyance at common law, under the Statute of Uses, and under modern statutes. Execution of deeds. The property conveyed. Creation of easements by implication. A brief review of estates created. Covenants for title. Estoppel by deed. Priorities. Aigler's *Cases on Titles* (2nd. ed.). *Three hours, first semester.* Mr. McCall.

VENDOR AND PURCHASER

The real estate contract: Statute of Frauds, performance of the contract, rights of parties pending transfer of title, equitable conversion, remedies, assignments. Handler's *Cases on Vendor and Purchaser. Two hours, first semester.* Mr. Mulder.

WILLS AND ADMINISTRATION

The substantive and adjective law of wills. The administration of estates, including the management, distribution, and settlement of intestate estates. Mechem and Atkinson's *Cases on Wills and Administration. Three hours, second semester.* Mr. McCall.

Third Year

Appellate Practice

What is reviewable; methods of review; parties to proceedings for review; laying a foundation for review; proceedings for transfer to reviewing court; effect of transfer to reviewing court; disposition of case upon review. Sunderland's *Cases on Trial and Appellate Practice. Two hours, second semester.* Mr. Markham.

Conflict of Laws

Jurisdiction of courts and foreign judgments. The applicability of rules of foreign or extra-state law in respect to procedure, torts, workmen's compensation, contracts, sales, mortgages, business organizations, domestic relations, and administration of estates. Lorenzen's *Cases on Conflict of Laws* (3rd. ed.). *Four hours, second semester.* Mr. Breckenridge.

Constitutional Law

Judicial function of giving effect to constitutions. The national state and its governmental organization. Citizenship, national and state. Due process and equal protection of the laws. Retroactive laws. Eminent Domain. Regulation of commerce.

Separation and delegation of governmental powers. Administrative boards and officers. Administrative discretion, notice, hearing, jurisdiction, conclusiveness of determination and judicial control. McGovney's *Cases on Constitutional Law* (2nd. ed., 1935). *Five hours, second semester.* Mr. Wettach.

Corporations

The nature of a corporation; promotion of corporations; corporate powers; corporate liability for torts and crimes; unauthorized corporate action, including doctrines of *de facto* corporations, and *ultra vires* acts; officers, stockholders, and creditors of corporations. Richards's *Cases on Corporations* (3rd. ed.). *Four hours, first semester.* Mr. Breckenridge.

Debtors' Estates

Methods of liquidation of the estates of insolvents; compositions and assignments for the benefit of creditors; receiverships; bankruptcy, administration thereunder. Sturges's *Cases on the Administration of Debtors' Estates. Three hours, first semester.* Mr. Hanft.

Evidence

Judicial notice. Presumptions and burden of proof. Functions of court and jury. Witnesses: examination, competency, and privilege. Rules of exclusion: evidence illegally obtained; the hearsay rule and its exceptions. Rules as to writings: evidence of authenticity; best evidence rule; parole evidence rule. Opinion evidence. Remote and prejudicial evidence. Character and reputation. Morgan and Maguire's *Cases on Evidence. Four hours, first semester.* Mr. Markham.

Future Interests

The classification of future interests, including rights of entry for condition broken, reversions, vested and contingent remainders, Rule in Shelley's Case, and future interests in personal property; the construction of limitations in deeds and wills; powers; the rules against perpetuities; and illegal conditions and restraints on alienation. Leach's *Cases on Future Interests. Three hours, first semester.* Mr. McCall.

LABOR LAW

Legality of means and objects of labor organizations. Various forms of pressure (such as strikes, lockouts, and boycotts) used to secure contracts more favorable to either party. Injunctions and damages in labor disputes. Federal jurisdiction over labor disputes. Regulatory labor legislation with particular reference to recent federal legislation. Landis's *Cases on Labor Law. Three hours, first semester.* Mr. Wettach.

PUBLIC UTILITIES

Railroads and other carriers; electric, gas, water, telephone and telegraph companies; other businesses affected with a public interest. Liability, rates, service. Commission regulation. Smith and Dowling's *Cases on Public Utilities* (2nd. ed., 1936). *Three hours, second semester.* Mr. Hanft.

TRUSTS

Historical development of uses and trusts, formal elements of the trust structure, some modern uses of the trust in connection with the family, taxation, business, security, and charitable gifts; purposes effected by equity through the use of the trust device, some problems of trust administration, the trust and third persons. Carey's *Cases on Trusts. Three hours, second semester.* Mr. Van Hecke.

ADDITIONAL OPPORTUNITIES OF UNIVERSITY LIFE

Students in the School of Law may be admitted to the courses given in the other departments and schools of the University, subject to the rules stated as to the number of hours which a student may take, and subject to the approval of the Dean of the School of Law. A student taking such a course must satisfy the entrance requirements for the course selected.

No law student shall be eligible to participate in major extracurricular activities (such as intercollegiate athletics, either as player or manager; executive positions upon the Tar Heel and Yackety Yack; president of the student body; and others to be listed by a committee of the Law faculty) unless he maintains a B average in his Law School work. During the first semester of his first year this is to be determined by the last year of his college record and the November quiz grades in the Law School.

As students of the University, law students enjoy all privileges of the University library, the University gymnasium, and the organizations of the University generally—literary, social, and athletic.

For information as to loan funds, address *The Student Loan Fund Section, The University of North Carolina, Chapel Hill, N. C.*

For further information as to requirements for admissions, or as to living conditions, address *The Dean of Admissions, The University of North Carolina, Chapel Hill, N. C.*

For information as to courses or other matters pertaining particularly to the School of Law, address the *Dean of the School of Law, The University of North Carolina, Chapel Hill, N. C.*

FEBRUARY 10, 1936 NUMBER 300

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE ONE HUNDRED AND FORTY-SECOND SESSION

CATALOGUE OF THE SCHOOL OF MEDICINE

1935-1936

Announcements for the Session
1936-1937

THE UNIVERSITY OF NORTH CAROLINA PRESS
ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER
ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT
CHAPEL HILL, N. C.
UNDER THE ACT OF AUGUST 24, 1912

CATALOGUE OF EVENTS

SESSION, 1936-1937

1936

June 7-9	*Sunday through Tuesday.* Commencement Exercises.
June 11-July 22	Summer Session, First Term.
July 23-August 29	Summer Session, Second Term.
September 17	*Thursday.* Registration for the fall quarter.
September 18	*Friday.* Class work for the fall quarter begins.
October 12	*Monday.* University Day.
November 25	*Wednesday.* Thanksgiving Recess begins (1:00 p. m.).
November 30	*Monday.* Thanksgiving Recess ends (8:30 a. m.).
December 10-19	*Thursday* to 1:00 p. m. *Saturday* of following week. Registration for the winter quarter.
December 15-19	*Tuesday through Saturday* (1:00 p. m.). Examinations for the fall quarter.
December 19 (afternoon)—	
December 30	Christmas Recess.

1937

January 1	*Friday.* Class work for the winter quarter begins.
March 5-13	*Friday* to 1:00 p. m. *Saturday* of following week. Registration for the spring quarter.
March 9-13	*Tuesday through Saturday* (1:00 p. m.). Examinations for the winter quarter.
March 15	*Monday.* Registration of new students.
March 16	*Tuesday.* Class work for the spring quarter begins.
April 11-18	*Sunday through Sunday.* Spring Recess.
May 31-June 4	*Monday through Friday.* Examinations for the spring quarter.
June 6-8	*Sunday through Tuesday.* Commencement Exercises.

INFORMATION PERTAINING TO THE GENERAL UNIVERSITY

The School of Medicine is one of the divisions of the University of North Carolina, located at Chapel Hill. It is governed by the same administration, the same board of trustees, the same laws and regulations as the rest of the university.

The pre-medical record of each applicant for admission must be passed upon and approved by the Dean of Admissions of the University before the application can be taken under consideration by the Dean and the committee on admissions of the Medical School.

STUDENT GOVERNMENT

The student body of the university is self-governing. The functions of this government are both disciplinary and constructive. These functions are exercised by the Student Council which is elected by the student body. The Medical School is represented on this council by a member of the second-year class. Student government, insofar as it is disciplinary, is based upon the honor principle. No code of rules is laid down to direct a student what to do and what not to do. The only standards are those of morality and gentlemanly conduct, and obedience to the laws of North Carolina. The Student Council has power to suspend or dismiss a student from the university, but the final and supreme power is in the general university faculty, delegated to it by the Board of Trustees.

WITHDRAWALS

Formal withdrawal, which is prerequisite to honorable dismissal or reëntrance to this institution, must be approved by the student's Dean to be valid. Such a withdrawal will be approved only after full investigation of the circumstances and after the lapse of twenty-four hours from the time the first application is filed with the Dean. The withdrawal form after approval by the Dean must be filed promptly with the Recorder in room 8, the South Building.

If a student withdraws after the mid-term and is reported as below passing in two or more courses, that quarter will be counted as a quarter in residence in all computations of his requirements for readmission. If a student withdraws before mid-term, it will be left to the discretion of the Dean as to whether or not that quarter is to be counted as a quarter in residence. The Dean's verdict will be indicated specifically on the form used for withdrawal.

HEALTH AND RECREATION

The health of the student community is cared for by the maintenance of a properly appointed infirmary with a staff of well trained physicians and nurses. The university gymnasium and five large ath-

letic fields provide ample facilities for exercise and recreation, all under the supervision and direction of a well organized department of physical education.

LIBRARIES

In addition to the specialized departmental and school libraries the general university library, containing over two hundred and eighty thousand volumes, offers its opportunities to members of all divisions of the institution.

LOCATION

Chapel Hill is thirty miles west of Raleigh, the capital of the State, in the beautiful Piedmont section of hills and forests, served by the Southern Railway, and entered from every point by paved roads. Its environment of natural beauty and simple culture, of age and traditions, is impressive. The University of North Carolina, the first state university to open its doors in America and a member of the Association of American Universities, is recognized as a leader among educational institutions.

THE SCHOOL OF MEDICINE

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President.*
Robert Burton House, A.M., *Dean of Administration.*
Charles Staples Mangum, A.B., M.D., *Dean.*

*THE ADMINISTRATIVE BOARD

Isaac Hall Manning, M.D.
William DeBerniere MacNider, M.D., Sc.D., LL.D.
James Bell Bullitt, A.M., M.D.
Wesley Critz George, Ph.D.
Robert Ervin Coker, Ph.D.
Ralph Walton Bost, Ph.D.
English Bagby, Ph.D.
†Herman Glenn Baity, Sc.D.
Daniel Allan MacPherson, Sc.M., Ph.D.

COMMITTEE ON ADMISSION AND PROMOTION

Charles Staples Mangum, A.B., M.D.
William DeBerniere MacNider, M.D., Sc.D., LL.D.
James Bell Bullitt, A.M., M.D.
Wesley Critz George, Ph.D.

SPECIAL STAFF

Charles Staples Mangum, A.B., M.D., *Professor of Anatomy.*
Isaac Hall Manning, M.D., *Professor of Physiology.*
William DeBerniere MacNider, M.D., Sc.D., LL.D., *Kenan Research Professor of Pharmacology.*
James Bell Bullitt, A.M., M.D., *Professor of Pathology.*
Wesley Critz George, Ph.D., *Professor of Histology and Embryology.*
Daniel Allan MacPherson, Sc.M., Ph.D., *Professor of Bacteriology.*
Robert Baker Lawson, M.D., *Associate Professor of Applied Anatomy.*
Evan William McChesney, Ph.D., *Associate Professor of Biological Chemistry.*
Grant Lester Donnelly, A.B. in Educ., M.D., *Associate Professor of Pharmacology.*
Augustus Steele Rose, B.S., M.D., *Associate Professor of Anatomy.*
Walter Reece Berryhill, A.B., M.D., *Associate Professor of Pathological Physiology and Physical Diagnosis.*
Robert Alexander Ross, M.D., *Lecturer on Obstetrics.*
Thomas Henderson Byrnes, B.S., M.D., *Instructor in Pathology.*
James Workman Culbertson, B.S., A.M., *Instructor in Anatomy.*
Edward McGowan Hedgpeth, A.B., M.D., *Instructor in Anatomy.*
William Kirk Swann, S.B. in Med., *Assistant in Bio-Chemistry.*
William Harris Davis, Jr., *Assistant in Bacteriology.*
Fletcher S. Sluder, *Assistant in Anatomy.*

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.
† Absent on leave, 1935-1936.

GENERAL STATEMENT

The School of Medicine was established in 1879 under the direction of Dr. Thomas W. Harris. A course in theoretical and practical medicine was offered under the preceptorial system, but the plan was found impracticable and was abandoned in 1886. In 1890, a more orderly and logical arrangement of the subjects in the medical course having developed, it became possible for an institution without clinical facilities to offer instruction in the pre-clinical subjects, and the school was reopened with Dr. Richard H. Whitehead as Dean and Professor of Anatomy. Under his guidance it soon won recognition for thoroughness of instruction and excellence in scholarship and has since continued without interruption to its growth. At first the course covered only one year, but in 1896, the medical course having been extended in the better class of schools to four years, a two-year course was inaugurated. In 1900 the School of Medicine was incorporated as an integral part of the University and was reorganized to meet the requirements of the first two years of the full four-year course leading to the degree of Doctor of Medicine. In 1902 it was expanded into a four-year school, and the clinical subjects of the third and fourth years were offered in Raleigh under the direction of Dr. Hubert A. Royster as Dean. After a few years of successful operation, this plan had to be abandoned for lack of financial support, and the clinical subjects were dropped. In 1908 the school was admitted to membership in the Association of American Medical Colleges, and is ranked in the class "A" group by the American Medical Association.

The curriculum is arranged to cover all of the laboratory or pre-clinical subjects of the four-year course in medicine and includes, in the last part of the second year, introductory clicinal courses which serve to lessen the abruptness of the change from the laboratory to the hospital.

Students who have successfully completed the two-year course are transferred into the third year of American medical colleges of the highest rank from which they receive the degree of doctor of medicine. Sixty percent of those who have attended the school have returned to North Carolina to practise medicine. Approximately twenty-five percent of the physicians now in active practice in North Carolina received the first two years of their medical training here.

The School of Medicine is located on the University campus in close association with all other university activities. The classes are limited to thirty-six students and, since this is a state institution, preferential consideration is given applicants for admission who are citizens of North Carolina.

The students of the Medical School are regularly enrolled in the University, enjoy all the privileges of University students, and are amenable to all general University regulations and to the special regulations of the Medical School.

REQUIREMENTS FOR ADMISSION

The minimum requirements for admission to the medical curriculum are three years of college work, which must include a minimum of twelve semester hours in chemistry (including four semester hours of organic chemistry), eight semester hours in biology (at least 4 semester hours being in zoölogy), eight semester hours in physics (which must have required trigonometry as prerequisite), six semester hours in English, and six semester hours in a modern foreign language beyond the amount required in the language chosen for admission to the University. *No student will be admitted with less than three years of accredited collegiate work, or with a condition on any of the required subjects in science.* All admissions are decided by the Dean of the School of Medicine and a special committee on admissions to the school. The maximum number admitted to the first year class is thirty-six. The Dean and special committee reserve the right to select from the entire list of applicants those who in their judgment are best qualified for the study of medicine.

Admission to Advanced Standing

Candidates for admission to the second year of the medical curriculum must present certificates from an accredited medical school stating that they have had the required fifteen units, at least three years of college work as indicated above, and have completed the subjects of the first year of the medical course as outlined.

BACHELOR OF SCIENCE IN MEDICINE

The University recommends to each applicant that he prepare himself as fully as his age and resources permit. If possible he should first secure a bachelor's degree, either A.B. or S.B., before beginning his professional study. If this is impracticable, he may secure excellent preparation by completing the academic curriculum, outlined below, leading to the degree of Bachelor of Science in Medicine. The degree is conferred upon the completion of the two years of work offered in the medical school.

Note: Students pursuing the academic subjects listed below are hereby notified that the completion of these courses does not necessarily mean admission to our School of Medicine. From the rather long list of applicants are chosen thirty-six who are deemed the most promising material for admission to our School. No arrangement exists for granting the degree of S.B. in Medicine for work in any medical school other than ours. Therefore, in order to secure our S.B. in Medicine, the student must complete the two years of work offered in our School of Medicine and in no other such school. To be eligible for the degree of S.B. in Medicine, at least the last year of premedical work must have been done in this institution.

FRESHMAN YEAR

Fall Quarter: Chemistry 4, English 1, Mathematics 1, *French 11 or German 11, Social Science 1.

Winter Quarter: Chemistry 5, English 2, Mathematics 2, *French 12 or German 12, Social Science 2.

Spring Quarter: Chemistry 31, English 3, Mathematics 3, *French 13 or German 13, Social Science 3.

SOPHOMORE YEAR

Fall Quarter: Chemistry 42, English 21, Botany 41, *French 21 or German 21.

Winter Quarter: Zoölogy 41, English 22, *French 22 or German 22, **Elective.

Spring Quarter: Zoölogy 42, English 23, *French 23 or German 23, **Elective.

JUNIOR YEAR

Fall Quarter: Physics 21, Psychology 21, Chemistry 61, **Elective.

Winter Quarter: Physics 22, Psychology 22, Chemistry 62, **Elective.

Spring Quarter: Physics 23, Psychology 23, **2 electives.

EXPENSES

The University reserves the right to make, with the approval of the proper authorities, changes in any fees at any time.

Tuition and Other Fees for Each Quarter

Each student whose *bona fide* residence has not been established in North Carolina for at least the six months immediately prior to his first registration in the University must pay an extra fee of $33.34 for each fall, winter, or spring quarter he spends in residence. The residence of a minor is that of his parents or guardian. The residence of an adult remains with his parents or guardian unless he shall have independently set up his own.

Bona fide residence means that the student is not in North Carolina primarily to attend the University and that his status as a resident has not been set up merely as a technical bar to the extra charge.

* The intermediate courses (11-12-13) in French or German or both are to be taken provided the student shows evidence of adequate preparation; otherwise he takes the elementary courses (1-2-3) in the language or languages. The elementary courses, meeting six hours a week, are designed to cover both the elementary and intermediate work. In case both French and German are elected, the requirement is met in three quarters (courses 1-2-3 or 11-12-13); in case only one language is taken, courses 21-22-23 also must be completed, six quarters in all being required.

** Electives to the number needed to give at least 20 quarter hours of credit are required.

Mere ownership of property or payment of taxes apart from residence does not qualify one as a resident nor may a student qualify by living in North Carolina the six months immediately prior to his first registration, unless he continues so to live during the whole period of his stay at the University.

*Tuition and Matriculation	$83.34
Student Publications	2.00
Laundry Deposit	8.50
Student Union fee	1.00
Total for each quarter	$94.84

A deposit of $10 is required at the first registration of the year to cover the cost of materials purchased from the medical store room. Any balance of this deposit left at the end of the college year will be refunded.

SPECIAL NOTICE

An applicant notified of his acceptance must deposit with the Cashier of the University, not later than June 15, the sum of $50.00; otherwise the acceptance will be withdrawn. If the applicant presents himself for registration the deposit will be accredited to his account; otherwise the deposit will be forfeited.

SCHOLARSHIPS

THE WOOD SCHOLARSHIP. (Established in 1895.) Mrs. Mary Sprunt Wood, of Wilmington, has founded a scholarship in memory of her husband, the late Dr. Thomas Fanning Wood.

THE MRS. AUGUSTUS H. JONES SCHOLARSHIP was created in 1930 by Mrs. James H. Parker, of New York City. The recipient of this scholarship is to be designated by Mrs. James H. Parker during her lifetime and thereafter upon the recommendation of the New York Chapter of the United Daughters of the Confederacy. Failing this recommendation from either source, appointment is to be made by the President of the University, preference being given first to relations of the late Dr. James H. Parker, of New York, and second to relations of the donor.

Board

At this date Swain Hall is not being operated. It is hoped that arrangements will be made to offer next fall excellent board there and a combination rate to those who room in a dormitory.

* This fee includes fee for physical education, the library fee, the fee for infirmary service, and the fee for debates.

Board without room can be obtained in the town from $22.50 to $35.00 a month.

Dormitory Accommodations for Men

Accommodations for approximately fourteen hundred students are available in the University dormitories.

All rooms in the dormitories are completely furnished. Students will, however, provide their own pillows, bed linen (for single beds), blankets, and towels.

Room rent ranges from $5.25 to $10.00 a month for each occupant, the price depending upon the location of the room. This charge includes light, heat, and service. Rooms are leased for the scholastic year.

REGISTRATION

All students are expected to present themselves for registration *Thursday, September 17, 1936,* between the hours of 9 a.m. and 5 p.m., at the place announced in the plan for registration.

Bills for the fall quarter are payable at the time of registration. Bills for the winter and spring quarters are payable at the Business office on the first class day of the quarter. Failure to pay or to make proper arrangements for payment results in the assessment of an extra fee of $5.00.

DELAYED REGISTRATION

The penalty for delayed registration for any quarter is one month of strict attendance probation for each day of delay. Any student registering later than the time appointed for his registration must pay five dollars ($5.00) as an additional fee for delayed registration. No appeal from the imposition of either attendance probation or the late registration charge of five dollars will be granted, unless the delay is due to circumstances clearly beyond the student's control. Such appeals must be made in writing to the Dean of Administration, must show clearly good and sufficient justification for the delay in registering, and must bear the approval of the Dean of the division of the University in which the appellant is enrolled.

THE MEDICAL CURRICULUM

The medical curriculum covers two years of thirty-four weeks each, divided into three periods, or quarters, of approximately equal length.

First Year

BIOLOGICAL CHEMISTRY: Nine hours a week, winter quarter.

HISTOLOGY: Nine hours a week, fall quarter; six hours a week, winter quarter.

Gross Anatomy: Seventeen hours a week, fall quarter; seventeen hours a week, winter quarter.

Neuro-Anatomy: Twelve hours a week, spring quarter.

Embryology: Three hours a week, fall quarter; six hours a week, spring quarter.

Bacteriology: Fifteen hours a week, spring quarter.

Second Year

Biological Chemistry: Six hours a week, fall quarter.

Physiology: Twelve hours a week, fall quarter; twelve hours a week, winter quarter.

Immunology: Nine hours a week, fall quarter.

Pathology: Six hours a week, fall quarter; eight hours a week, winter quarter; twelve hours a week, spring quarter.

Pharmacology: Three hours a week, fall quarter; ten hours a week, winter and spring quarters.

Surgical Anatomy: Four hours a week, winter quarter.

Hygiene: Three hours a week, winter quarter.

Physical Diagnosis: Seven hours a week, spring quarter.

Obstetrics: One hour a week, winter quarter.

Summary of First and Second Year

Subjects	*Hours*
Biological Chemistry	162
Anatomy	992
Physiology	264
Pharmacology	236
Bacteriology and Immunology	258
Pathology	332
Surgical Anatomy	40
Hygiene	30
Physical Diagnosis	70
Obstetrics	10

EXAMINATIONS

The regular examinations in the Medical School are held during the regular examination periods of the College of Arts and Sciences at the close of each quarter. First year students will be allowed special examinations for the removal of conditions during the week preceding the close of the third quarter, or during the registration week in September.

An examination will not be allowed a student who is charged with ten per cent. of unexcused absences, or with absences amounting to twenty per cent. of the total number of hours assigned the subject.

PROMOTIONS

If a first year student makes a grade of F on any subject, or a grade of E with failure to remove it by subsequent examination, he will be required to withdraw from the school. Two grades of E debar the student from examinations to remove these conditions. A first-year student who has been dropped from the Medical School and has returned to college and done creditable work for three quarters may be considered for readmission to the first-year class.

If a second-year student makes a grade of E on any subject he may be given another examination on that subject at any subsequent examination period or during the following month of July. If the student is a candidate for S.B. in Medicine and makes a grade of E in his last quarter of residence, he is allowed to take a special examination for removal of the E not earlier than three days after his last examination in that period of examinations. But no student shall be allowed a re-examination on more than one major subject. If he makes an F on any major subject he shall not be allowed a re-examination on any subject. He may be allowed to repeat the second year with the consent of the faculty.

COURSES OF INSTRUCTION

Certain courses in the curriculum of the School of Medicine are approved by the Graduate School as minors for the master's and doctor's degree. For details see Catalogue of the Graduate School.

NOTE: Courses having the figure 1 as the first digit in their numbers are for first year students; those whose numbers begin with 2 are for second year students.

DEPARTMENT OF ANATOMY

The courses include gross and microscopic anatomy, embryology, the topography of the body, the application and relation of anatomy to medicine and surgery, and the anatomy of the central nervous system and the organs of special sense.

101. GROSS ANATOMY.

The student dissects the human body under the constant supervision and direction of an instructor. Laboratory talks, demonstrations, and conferences take the place of lectures. Practical examinations are held on the cadaver. The subject matter is presented from the standpoint of development and function and special emphasis is placed upon the relationship of surface and regional anatomy to medical and surgical diagnosis. Each student is provided with a complete set of disarticulated bones which he is required to demonstrate. *Seventeen hours a week, fall and winter quarters.* Professors Rose, Mangum.

105. CENTRAL NERVOUS SYSTEM AND ORGANS OF SPECIAL SENSE.

A special laboratory study of the gross and microscopic anatomy of the cord and brain. Each student is provided with numerous prepared dissections of the human brain and a series of sections through the cord of the

brain stem which he studies with the aid of a guide. A human brain is then given to each group of six men and by them dissected in order to correlate and systematize the work already done. A practical examination tests the student's ability to locate the various tracts and nuclei. *Twelve hours a week, spring quarter.* Professor Mangum. See Catalogue of the Graduate School.

112. GENERAL HISTOLOGY AND ORGANOLOGY.

Includes: (a) Study of the fundamental tissues, followed by (b) the study of the microscopic structure of the organs of the body, in connection with an examination of their gross structure. Lectures, demonstrations, and laboratory. *Nine hours a week, fall quarter; six hours a week, winter quarter.* Professor George; Mr. Culbertson. See Catalogue of the Graduate School.

114. EMBRYOLOGY.

(a) Lectures and laboratory study of the early processes in the formation of the vertebrate body. (b) Lectures, demonstrations, and laboratory study of human and other mammalian embryos. *Three hours a week, fall quarter; six hours a week, spring quarter.* Professor George; Mr. Culbertson. See Catalogue of the Graduate School.

123. CYTOLOGY AND HISTOGENESIS.

Those who have completed course 112 or its equivalent will be offered an opportunity to pursue further work in Cytology and Histogenesis. Arrangements for this course may be made with the instructor. Professor George; Mr. Culbertson.

236. SURGICAL ANATOMY.

A review of anatomy in its relation to surgical diagnosis and technique. The surface markings of the organs of the body, their location and interrelationship. Incisions for reaching arteries and nerves. Influence of the action of muscles upon fractures and luxations. The application of bandages and splints, and the dressing of wounds. Lectures, and x-ray plates. *Four hours a week, winter quarter.* Professor Lawson.

DEPARTMENT OF BACTERIOLOGY

51. ELEMENTARY BACTERIOLOGY. Prerequisite, General Chemistry and one course in Botany or Zoölogy. *Elective.

A lecture and laboratory course offered as a general science course. The fundamental principles of bacteriology are emphasized, and the student is trained in general bacteriological technique. The morphological and biological characteristics of the molds, yeasts, and saprophytic bacteria are studied. Pure cultures are isolated from air and water, and identification attempted. The applications of bacteriology to agriculture, industry, and the home are considered. (Registration of a minimum of six students required.) *Nine hours a week (lectures and laboratory), winter quarter. Laboratory fee, $4.00.* Professor MacPherson; Mr. Davis.

132. PATHOGENIC BACTERIOLOGY. Required of medical students. Prerequisite, for academic students, General Chemistry, Chemistry 31, and Bacteriology 51, or equivalent. *Elective.

The early weeks of the course are devoted to a thorough grounding in the fundamental principles of bacteriology. Each student prepares the various culture media in common use; cultivates and describes several non-pathogens from stock cultures; and practises the more useful staining methods. Pure

* Before registering for this course the academic student must secure the permission of his Dean. This course is not a part of the medical curriculum.

cultures are isolated from air and water and their biology studied. The major portion of the course is devoted to the detailed study of the pathogens. Unknown mixtures are used to test the student's ability to differentiate organisms of the various groups. Practical applications of bacteriology in the diagnosis of disease are stressed by the examinations of sputa, pus, feces, and blood. Animal inoculations are made to demonstrate the process of infection and the differentiation of certain organisms. Lectures cover all the more important diseases. *Fifteen hours a week (lectures and laboratory), spring quarter. Laboratory fee for non-medical students, $6.00.* Professor MacPherson; Mr. Davis. See Catalogue of the Graduate School.

233. INFECTION, IMMUNITY, AND SERUM DIAGNOSIS. Required of medical students. Prerequisite, Bacteriology 132 or its equivalent. *Elective.

The early laboratory work is designed to demonstrate the basic principles of immunology and serology. Practical training is given in the production and use of agglutinins, precipitins, lysins, and complement fixing antibodies. Vaccines are prepared, and their use demonstrated. The preparation and standardization of antimicrobic and antitoxic sera are studied. Anaphylaxis and allergy are produced in animals, and methods of diagnosis and desensitization practised. The student is required to prepare his own materials and to inject and bleed animals himself. Special attention is given to the use of these principles in the diagnosis of blood stains, blood grouping, typhoid fever, typhus fever, diphtheria, tuberculosis, hay fever, gonorrhea, and syphilis. Unknown specimens test the student's ability to use the reactions. Lectures consider the principles of infection, immunity, and resistance. *Nine hours a week (lectures and laboratory), fall quarter. Laboratory fee for non-medical students, $10.00.* Professor MacPherson; Mr. Davis. See Catalogue of the Graduate School.

234. PUBLIC HEALTH AND HYGIENE. Prerequisite, Bacteriology 132. *Elective.

Lectures and quizzes on the sources, mode of spread, and control of communicable diseases; ventilation; water and sewage purification; soil pollution; hygiene of foods; carriers; and insect vectors. *Three hours a week, winter quarter.* Professor MacPherson.

235. PUBLIC HEALTH LABORATORY METHODS. Prerequisite, Bacteriology 132 or its equivalent. *Elective.

A course of training in the modern bacteriological methods employed in the routine work of a public health laboratory. Practice is afforded in the laboratory diagnosis of diphtheria, tuberculosis, typhoid fever, pneumonia, malaria, gonorrhea, syphilis, and rabies. The bacteriological examination of water, milk, and canned goods is also practised. The course is designed for medical students and those wishing to qualify as bacteriological laboratory technicians. *Six hours a week, spring quarter. Laboratory fee for non-medical students, $6.00.* Professor MacPherson.

236. ADVANCED BACTERIOLOGY AND RESEARCH. Prerequisite, Bacteriology 132 or its equivalent. *Elective.

Opportunity and facilities are offered to qualified students to pursue advanced work in bacteriology and immunology. *Hours arranged.* Professor MacPherson.

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* Before registering for this course the academic student must secure the permission of his Dean.

DEPARTMENT OF PATHOLOGY

201. PATHOLOGY.

Embraces a consideration of general and special pathology from the chemical and physiological as well as the morphological aspects. Lectures and recitations are combined with laboratory work in a study of both gross and microscopical preparations. Each student is supplied with a set of "loan" sections (about 200) which form the basis of the study. This is supplemented by the use of a considerable number of special demonstration sections. A series of practical examinations is held, in which each student is required to diagnose the process and describe the salient features in about fifty "unknown" sections. A series of several hundred preserved pathological specimens, selected to illustrate many of the common and some of the uncommon pathological processes, is arranged on open shelves in the laboratory. These are studied in conjunction with the microscopical work. The class is divided into small sections which rotate in attending the autopsies at Watts Hospital (Durham). Each student is required to write his own protocol of each autopsy which he observes. *Six hours a week, fall quarter; eight hours a week, winter quarter; twelve hours a week, spring quarter.* Professor Bullitt; Doctor Byrnes. See Catalogue of the Graduate School.

212. CLINICAL PATHOLOGY.

The object of this course is to familiarize the student with routine examinations of the blood, urine, feces, gastro-intestinal contents, sputum, transudates, and exudates; to acquire accuracy in such procedures and to secure a general understanding of their relation to the diagnosis of disease. Material to be examined consists of preserved specimens and fresh specimens from Watts Hospital (Durham). Opportunity is also afforded for the study of patients with special reference to the laboratory examinations indicated and for the correlation of the findings. *Six hours a week, spring quarter.* Doctor Byrnes.

223. ADVANCED PATHOLOGY. Two courses are offered.

(a) Surgical Pathology (prerequisite, Pathology 201); a detailed study of surgical material, with special reference to tumors. (b) Experimental Pathology; production of various inflammatory lesions and study of their development. *Hours by arrangement.* Professor Bullitt.

DEPARTMENT OF PHARMACOLOGY

222. PHARMACOLOGY AND MATERIA MEDICA.

The course in Pharmacology extends throughout the second year of the medical curriculum. The character of the work permits a division of the course into three parts: (a) A consideration of the ways in which drugs may affect the organism. This introduction embraces a discussion of the various physicochemical forces influencing drug activity, and the modification of the action of these conditions in different pathological states of the organism, such, for instance, as febrile conditions and various metabolic disturbances. (b) A general study of the pharmacology of the important drugs. The drugs are considered in groups depending upon their predominant effect in the body. The student learns the preparation, their dose, physiological incompatibilities, and considers in detail the way in which the drugs act as pharmacological agents. The symptoms and treatment of poisoning are considered following the discussion of the pharmacology of the group. (c) A consideration of the pharmacology of the drugs in the pathological animal, with a discussion of the modification of drug activity in various pathological states. In conjunction with this study emphasis is given to the use of drugs as therapeutic agents and a study is made employing such remedies as are indicated in the form of

a prescription. Students are required to write prescriptions, which are then subjected to the criticism of various members of the class and the instructor. *Three hours a week, fall quarter; five hours a week, winter and spring quarters.* Professors MacNider, Donnelly.

223. PHARMACODYNAMICS.

This part of the general course in pharmacology consists in a careful and accurate study of the action of practically all of the more important drugs on animals. For this work, the higher animals, such as the cat and dog, are chiefly used. The class is divided into groups of two or four, and the experimental work is conducted by the student. Each student is required to hand in to the instructor at the completion of the course a laboratory notebook containing a detailed account of each experiment, and explanation of the results obtained, and the tracings made during the experiment. Oral and written recitations are frequently held. *Five laboratory hours a week, winter and spring quarters.* Professors MacNider, Donnelly. See Catalogue of the Graduate School.

234. ADVANCED PHARMACOLOGY.

Two types of courses will be offered: (a) an experimental study of the action of various drugs upon the normal animal; (b) an experimental study of the action of various drugs and other agencies upon the pathological animal. *Hours by arrangement.* Professor MacNider.

DEPARTMENT OF PHYSIOLOGY AND BIOLOGICAL CHEMISTRY

201-202. PHYSIOLOGY.

A lecture course for two quarters, in which the functions of the systems of organs are explained and discussed as fully as time permits. The subjects include the digestion, the circulation, respiration, elimination, metabolism, the internal secretions, heat regulation, the nervous system, and the special senses. Attention is called to pathological conditions which are commonly associated with disturbed functions and which emphasize the importance of normal function. *Six hours a week, fall and winter quarters.* Professor Manning. See Catalogue of the Graduate School.

203-204. EXPERIMENTAL PHYSIOLOGY.

A laboratory course during the fall and winter quarters of the second year. Special experiments performed in small sections are carried on in the winter quarter. In this course the student learns the use of physiological apparatus; studies the neuro-muscular system and heart on the frog and turtle; the vascular and respiratory systems on the rabbit and dog; and performs a limited number of experiments on the human, making pulse records, taking blood pressure, determining basal metabolic rates, etc. *Six laboratory hours a week, fall and winter quarters.* Professor Manning. See Catalogue of the Graduate School.

104. BIOLOGICAL CHEMISTRY 1.

A lecture and laboratory course in elementary biological chemistry covering the following topics: (1) the physical chemistry of protoplasm, (2) the chemistry of the carbohydrates, fats, and proteins, (3) the chemical composition of foods and body tissues, (4) the scientific principles of nutrition. The laboratory work covers the same general outline as the class-room work. *Three lecture and six laboratory hours a week, winter quarter, first year.* Professor McChesney. See Catalogue of the Graduate School.

205. BIOLOGICAL CHEMISTRY 2.

Chiefly a laboratory course in digestion and analytical methods. The following topics are covered in laboratory: (1) digestion (salivary, gastric, intes-

tinal), (2) pathological urine, (3) quantitative urine analysis, (4) blood analysis (qualitative and quantitative). Occasional lectures are given on the subjects of digestion and nitrogen metabolism with particular reference to the relation of the latter to the composition of blood and urine. *Six hours a week (lectures and laboratory), fall quarter, second year.* Professor McChesney. See Catalogue of the Graduate School.

206. BIOLOGICAL CHEMISTRY 3.

An advanced course for graduate students covering aspects of biological Chemistry not treated in courses 1 and 2. For details see Catalogue of the Graduate School. *Nine hours a week (lectures and laboratory), spring quarter.* Professor McChesney. See Catalogue of the Graduate School.

ADDITIONAL COURSES

The charity wards and out-patient department of Watts Hospital (220 beds) are available to the medical school for teaching purposes. These facilities provide clinical material for the courses in Physical Diagnosis and Clinical Pathology, and afford opportunity for attendance upon autopsies and the study of fresh pathological specimens.

231. PHYSICAL DIAGNOSIS.

A course in the method of history taking and physical examination with lectures, demonstrations, and practical exercises.

At the beginning emphasis is placed on the physical signs in the normal subject. The class is divided into groups for practical exercises on and demonstrations of the clinical material in the University Infirmary, in the wards and out-patient department of Watts Hospital (Durham), and in the State Tubercular Sanatorium. Each student has twenty practical exercises of three hours each. *Seven hours a week, spring quarter.* Professor Berryhill and Assistants from Medical Staff of Watts Hospital.

232. INTRODUCTION TO OBSTETRICS.

A course of ten lectures which is essentially an introduction to obstetrical and gynecological problems. It deals with human embryology, the foetus and its development, subjective and objective signs and symptoms of pregnancy, management of labor (briefly), the mechanism of labor, general symptomatology and diagnosis, menstruation, infection, and tumors. *One hour a week, winter quarter.* Doctor Ross.

DIVISION OF PUBLIC HEALTH

SPECIAL STAFF

Milton J. Rosenau, A.M., M.D., *Director.*

Carl V. Reynolds, M.D., *Secretary of North Carolina State Board of Health and State Health Officer, Director of Field Work.*

Robert E. Fox, A.B., M.D., M.P.H., *Director Division of County Health Work, North Carolina State Board of Health.*

John H. Hamilton, B.S., M.D., *Director State Laboratory of Hygiene, North Carolina State Board of Health.*

Warren H. Booker, C.E., *Director Division of Sanitary Engineering, North Carolina State Board of Health.*

Robert T. Stimpson, A.B., M.D., C.P.H., *Director Bureau of Vital Statistics, North Carolina State Board of Health.*

Joseph C. Knox, M.D., M.P.H., *Director Division of Epidemiology, North Carolina State Board of Health.*

George M. Cooper, M.D., *Director Division of Preventive Medicine, and Assistant State Health Officer, North Carolina State Board of Health.*

Ernest A. Branch, D.D.S., *Director Division of Oral Hygiene, North Carolina State Board of Health.*

Daniel Allan MacPherson, Sc.M., Ph.D., *Professor of Bacteriology.*

Arthur Russell Hollett, S.M.E., *Instructor in Civil Engineering.*

John Charles Geyer, S.M.E., *Instructor in Civil Engineering.*

Malcolm H. Rourk, M.D., M.P.H., *District Health Officer and Instructor in Public Health for Social Workers.*

GENERAL STATEMENT

The University of North Carolina has established a Division of Public Health and offers courses of study to supplement the basic work in this field, in order that immediate and practical needs of trained personnel in this state and region may be adequately met. This service is made possible through the coördination of the facilities and the staffs of the Schools of Medicine and Engineering of the University and the North Carolina State Board of Health, the three agencies of the state which are concerned with the problems of public health.

The curriculum covers a period of twelve weeks (soon to be made sixteen weeks) and includes both intra-mural instruction and field work. The courses offered are those best adapted to equip a physician for the special responsibilities of a health officer and those which may be covered within a short period of intensive study.

The students in the Division of Public Health are enrolled in the University of North Carolina and enjoy all the rights and privileges of the general student body. Upon completion of the course a certificate of credit is awarded by the University and this is endorsed by the North Carolina State Board of Health.

COURSES OF STUDY

101. PUBLIC HEALTH ADMINISTRATION.

One morning a week, three hours, (Monday) for ten weeks.
Field work all day Friday for ten weeks.

Lectures: The theory of Public Health Administration is developed by a study of administrative methods actually employed by various governmental units, including municipalities, counties, states, and the Federal Government, with particular emphasis on public health activities embracing problems of particular concern in North Carolina.

Some time is given to proper procedures in administrative control of the more important communicable diseases, such as Tuberculosis, Venereal Diseases, Diphtheria, Pneumonia, Measles, Whooping Cough, Meningitis, Typhoid Fever, Intestinal Parasites, Rabies, and Malaria; the public health administrative procedure being developed around

(1) the sanitation of the environment,
(2) the control of communicable diseases,
(3) the education of the individual and the community in the principles of personal and community hygiene,
(4) the organization of a medical and nursing service for the early diagnosis of diseases, and the prevention of physical and mental defects,
(5) the development of a social machine which will insure each individual in the community a standard of living adequate to the maintenance of health.

Each student is required to make a public health survey of some city or town, developing

(a) a description of the town,
(b) the medical service available,
(c) the health administration,
(d) the vital statistics of the town,
(e) the method of handling communicable diseases, and any special measure used to control the more common communicable diseases,
(f) the program for hospitalization of communicable diseases,
(g) any diagnostic facilities for communicable diseases,
(h) the venereal disease control program,
(i) the tuberculosis control program,
(j) the child hygiene program, including prenatal service, infant and pre-school hygiene, school hygiene, industrial hygiene, and health education,
(k) sanitation as applied to milk, food, water, sewage, housing, and miscellaneous items,
(l) with a general survey of conditions found, criticisms, and recommendations.

Field Studies and Demonstration: These are arranged for Friday of each week for ten weeks, and are given in coöperation with a course in Epidemiology and Child Hygiene. The exercises are selected to illustrate the practical application of the data that has been presented in the lectures.

Active coöperation has been effected with various health departments and institutions in the State of North Carolina, including the Durham City and County Health Department; the Cumberland County Health Department; the Wayne County Health Department; the Wake County Health Department; the City Health Department of Greensboro; the Guilford County Health Department; the Guilford County Sanatorium; the Winston-Salem City Health Department; the Forsyth County Health Department; the Forsyth County Sanatorium; the North Carolina Tuberculosis Sanatorium; the North Carolina State Board of Health and the State Laboratory of Hygiene; the Dix Hill State Hospital for the Insane; the other official and non-official health agencies. Those Health Departments in close proximity to the University of North Carolina are used for these field studies and demonstrations.

The lectures in this course are given by Dr. R. E. Fox, Director of the Division of County Health Work; Dr. John H. Hamilton, Director of the State Laboratory of Hygiene; and Mr. Warren H. Booker, Director of the Division of Sanitary Engineering; all of the North Carolina State Board of Health.

111. THE PRINCIPLES AND PRACTICES OF SANITATION.

A general survey course, consisting of lectures, demonstrations, laboratory exercises, and field visits, designed to meet the needs of students preparing to engage in public health activities. The following subjects will receive attention: (1) Historical and Epidemiological background of sanitation, its direct and indirect effects on the public health; (2) Sanitary surveys; (3) Rural sanitation; (4) Water supply—protection of sources, collection, purification and distribution; (5) Sewerage—sewage collection, treatment, disposal, stream sanitation; (6) Laboratory analysis of water, sewage, and industrial wastes; (7) Illumination; (8) Plumbing; (9) Food Sanitation—production, preservation and preparation; (10) Milk Sanitation; (11) Shellfish sanitation; (12) Garbage and refuse collection and disposal; (13) Sanitation of schools, camps, and bathing places. *Three lecture and four laboratory hours a week.*

This course includes about 8 field trips with reports on the following:

1. Sanitary survey of rural and domestic water supplies.
2. Inspection of several water purification plants.
3. Inspection of several sewage disposal works.
4. Inspection of garbage collection equipment and incinerators.
5. Inspection and rating of dairies of all grades.
6. Inspection and rating of hotel and restaurant kitchens and food stores.
7. Inspection and rating of prison camp and school sanitary facilities.

Arthur Russell Hollett, S.M.E., and John Charles Geyer, S.M.E., School of Engineering, U. of N. C.

121. EPIDEMIOLOGY.

Lectures: Three hours per week for a period of ten weeks.

Content: The Epidemiology of the filth-borne, gastro-intestinal diseases; the respiratory diseases; the insect-borne diseases; the deficiency diseases; and certain of the virus diseases.

In addition to this, part of the field work is of an epidemiological nature, particularly in visiting the various county health departments.

The epidemiological study of one disease, in written form, is required of each student. The average length of each thesis approximately two thousand words. Dr. J. C. Knox.

131. CHILD HYGIENE.

Lectures: Two hours a week for a period of ten weeks.

Content: These lectures are supported by field work in the various health agencies in the State: well-baby clinics: feeding stations. Other points included

in lectures: growth and development; food requirements; immunity and protection by immunization; child welfare agencies; diseases peculiar to this group. Scope of work of this nature, local, State, National. Dr. J. C. Knox, Dr. G. M. Cooper, and Dr. E. A. Branch.

141. VITAL STATISTICS.

Each period consists of an hour lecture and two hours of laboratory work. The lectures in this course outline the process of vital registration in North Carolina as it functions in the county, district, and state health departments, and the part of the health officer in this plan. Methods are presented of collecting, tabulating and graphically presenting statistical data, with special emphasis on their use by the county health officer. The calculations include population estimations, rates and ratios, and simple curve fitting. Laboratory work furnishes the student an opportunity to apply the principles covered by the lectures.

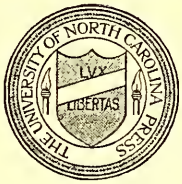
One morning a week for ten weeks. Dr. R. T. Stimpson and Dr. J. H. Hamilton.

151. PUBLIC HEALTH LABORATORY METHODS.

Lectures, discussions, and practical laboratory work on the applications of bacteriology, immunology, and parasitology to the diagnosis of diseases of public health importance. Forty-five hours. Professor D. A. MacPerson.

JULY, 1936 Supplement to Number 300—The School of Medicine

THE UNIVERSITY OF NORTH CAROLINA RECORD



CATALOGUE OF THE DIVISION OF PUBLIC HEALTH OF THE SCHOOL OF MEDICINE

Announcements for the Session 1936-1937

DIVISION OF PUBLIC HEALTH, SERIES No. 2

THE UNIVERSITY OF NORTH CAROLINA PRESS
ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER
ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT CHAPEL HILL, N. C.
UNDER THE ACT OF AUGUST 24, 1912

THE DIVISION OF PUBLIC HEALTH

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*

ROBERT BURTON HOUSE, A.M., *Dean of Administration.*

CHARLES STAPLES MANGUM, A.B., M.D., *Dean of School of Medicine.*

CARL V. REYNOLDS, M.D., *State Health Officer, North Carolina State Board of Health.*

MARK V. ZIEGLER, A.B., M.D., *Regional Consultant, Interstate Sanitary District No. 2, United States Public Health Service.*

MILTON J. ROSENAU, A.M., M.D., *Director.*

*THE ADMINISTRATIVE BOARD

CHARLES STAPLES MANGUM, A.B., M.D.

MILTON J. ROSENAU, A.M., M.D.

WILLIAM DEBERNIERE MACNIDER, M.D., Sc.D., LL.D.

HERMAN GLENN BAITY, A.B., S.B. in C.E., S.M., S.D.

CARL V. REYNOLDS, M.D.

ROBERT E. FOX, A.B., M.D., M.P.H.

MARK V. ZIEGLER, A.B., M.D.

SPECIAL STAFF

MILTON J. ROSENAU, A.M., M.D., *Director of Division of Public Health, The University of North Carolina.*

HERMAN GLENN BAITY, A.B., S.B. in C.E., S.M., S.D., *Professor of Sanitary Engineering, The University of North Carolina.*

DANIEL ALLAN MACPHERSON, Sc.M., Ph.D., *Professor of Bacteriology, The University of North Carolina.*

ROBERT E. FOX, A.B., M.D., M.P.H., *Director Division of County Health Work, N. C. State Board of Health; Professor of Public Health Administration.*

ROBERT T. STIMPSON, A.B., M.D., C.P.H., *Director of Bureau of Vital Statistics, N. C. State Board of Health.*

JOSEPH C. KNOX, M.D., M.P.H., *Director Division of Epidemiology, N. C. State Board of Health.*

AUGUSTUS STEELE ROSE, B.S., M.D., *Associate Professor of Anatomy, The University of North Carolina.*

ARTHUR RUSSELL HOLLETT, B.S. in C.E., S.M.E., *Instructor in Civil Engineering, The University of North Carolina.*

JOHN CHARLES GEYER, S.M.E., *Instructor in Civil Engineering, The University of North Carolina.*

WILLIAM P. RICHARDSON, M.D., M.P.H., *District Health Officer and Instructor in Public Health for Social Workers.*

*The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

SPECIAL LECTURERS

JOHN H. HAMILTON, B.S., M.D., *Director State Laboratory of Hygiene, N. C. State Board of Health.*

HARRY WOLVEN CRANE, Ph.D., *Professor of Psychology, The University of North Carolina.*

WARREN H. BOOKER, C.E., *Director, Division of Sanitary Engineering, N. C. State Board of Health.*

GEORGE M. COOPER, M.D., *Director Division of Preventive Medicine, and Assistant State Health Officer, N. C. State Board of Health.*

ERNEST A. BRANCH, D.D.S., *Director Division of Oral Hygiene, N. C. State Board of Health.*

MARK V. ZIEGLER, A.B., M.D., *Regional Consultant, U. S. Public Health Service.*

LESLIE C. FRANK, B.S., C.E., *Sanitary Engineer in Charge, Milk Investigations, U. S. Public Health Service.*

HERMAN F. EASOM, M.D., *Director Division of Industrial Hygiene, N. C. State Board of Health.*

GENERAL STATEMENT

The University of North Carolina, under the guidance of Dr. Charles S. Mangum, Dean of the School of Medicine, in 1935 offered courses of study in Public Health Administration in order that immediate and practical needs of trained personnel in this State and region might be adequately met. This service was made possible through the coördination of the facilities and the staffs of the Schools of Medicine and Engineering of the University and the North Carolina State Board of Health, the three agencies of the State which are concerned immediately with the problems of public health.

In 1936 a Division of Public Health was established and a Director appointed. The University of North Carolina, at Chapel Hill, has been designated and approved by the United States Public Health Service as the center for the training of health officers for the Interstate Sanitary District No. 2, extending from Delaware to Florida, to carry out the provisions of the Social Security Act for the training of public health personnel. A Field Demonstration Unit has been established in the Orange-Person District Health Unit in coöperation with the City-County Health Department of the adjoining County of Durham for the purpose of giving trainees practical experience in rural and urban health administration.

The object of the Division of Public Health in the beginning is to offer comparatively short courses best adapted to equip personnel for the special responsibilities of health work, such as Public Health Administration, Epidemiology, Vital Statistics, Sanitary Engineering, Public Health Laboratory Methods, Child Hygiene, etc. The curriculum covers a period of twelve weeks and includes intramural instruction, laboratory exercises, health surveys and field work. Following this a month with the field demonstration unit is required for North Carolina trainees. Each State will establish its own unit and requirements for practical experience.

The students in the Division of Public Health are enrolled in the University of North Carolina and enjoy all the rights and privileges of the general student body. They may take courses in other departments of the University, provided they are properly qualified and have the approval of the administration. Upon satisfactory completion of the course a certificate or diploma is awarded by the University.

Students in the Division of Public Health will have the privilege of coöperation with the State and local health administration and the field demonstration unit of the county.

SHORT COURSE IN PUBLIC HEALTH FOR DENTISTS

The Division of Public Health has, during the past year, conducted a special short course designed to better qualify dentists now with the Division of Oral Hygiene of the North Carolina State Board of Health to teach mouth health in the public schools.

As an outgrowth of this successful experience the Division is planning an enlarged program for the training of dentists in public health work to begin at some time during the coming academic year. It is expected that this course will be conducted for a period of twelve weeks, concurrently with the other public health training periods. Inquiries regarding this proposed course should be sent to the Director.

HEALTH AND RECREATION

The health of the student community is cared for by the maintenance of a properly appointed infirmary with a staff of well trained physicians and nurses. The university gymnasium and five large athletic fields provide ample facilities for exercise and recreation, all under the supervision and direction of a well organized department of physical education.

LIBRARIES

In addition to the specialized departmental and school libraries, the general university library, containing over two hundred and eighty thousand volumes, offers its opportunities to members of all divisions of the institution.

LOCATION

Chapel Hill is well located for this purpose, being just thirty miles west of Raleigh, the capital of the State, and the headquarters of the State Board of Health. The University of North Carolina is in the beautiful Piedmont section of hills and forests, served by the Southern Railway and entered from every point by paved roads. It is in an environment of natural beauty and simple culture, age and traditions.

REQUIREMENTS FOR ADMISSION

I. For physicians who will fill positions in public health work, it is expected that those accepted for admission will have a medical degree and perhaps some experience in public health work.

II. For public health workers without medical degrees:
   a. For sanitary engineers a degree in engineering from an accepted university or technical school is a prerequisite.
   b. For sanitarians, a bachelor's degree from a recognized institution of learning.
   c. For sanitary officers, credits in physics, chemistry and biology of college grade.

III. Special Students. Practical experience may be accepted by the University in lieu of college courses, each case to be arranged with the Director.

CERTIFICATES AND DIPLOMAS

Certificate: Those having a degree in medicine or engineering and completing an approved course of studies for health officers, sanitary engineers or sanitarians and complying with all requirements will be entitled to a certificate signed by the President of the University, the Secretary of the State Board of Halth, the Dean of the School of Medicine, and the Director of the Division of Public Health.

Diploma: Those completing an approved course of studies to prepare them for the duties of a sanitary officer and who have complied with all requirements will be entitled to a diploma signed by the Dean of the School of Medicine and the Director of the Division of Public Health.

Letter of Attendance: A letter of attendance may be given to those who take some or all of the courses.

FEES AND EXPENSES

The fees, including tuition and registration, will be $100.00 for health officer trainees for the three months' period, and $75.00 for personnel desiring training in sanitary engineering or in the sanitary sciences. Students may be admitted from outside the Sanitary District No. 2. The fees charged for such students will be $200.00 for the course for health officers, and $150.00 for the course in sanitary engineering or in the sanitary sciences, payable in advance.

Students are requested to bring a microscope.

DORMITORY ACCOMMODATIONS

Dormitory accommodations are available in the University dormitories, room rent ranging from $5.25 to $10.00 a month for each occupant, price depending upon the location of the room. This includes light, heat and service. All rooms in the dormitory are completely furnished. Students will, however, provide their own pillows, bed linen (for single beds), blankets and towels.

Rooms in private homes may be obtained at a cost of from $15.00 to $20.00 per month.

BOARD

The University is glad to announce that the University Dining Hall Cafeteria will be open for business in September, 1936. It will guarantee good food prepared under a scientific dietitian, and will furnish this food at a non-profit cost. The more patronage it has from students, the lower the cost will be.

Board may be had in private boarding places, cafeterias, coffee shops, and cafes at from $22.50 a month to $35.00 a month.

The University operates a well equipped laundry which takes care of the students' washing and ironing at moderate cost.

SCHOLARSHIPS

Scholarships, including an allowance for expenses, have been allotted to the District of Columbia, Delaware, Maryland, Virginia, West Virginia, North Carolina, South Carolina, Georgia and Florida under the Social Security Act. Application for these scholarships should be made to the State Health Officer of the State in which the applicant resides.

REGISTRATION

Two courses of three months each will be offered during the year 1936-1937, one in the fall and one in the spring.

Students who are accepted for the fall term will register in the office of the Secretary of the Division of Public Health on *Thursday, September 17, 1936,* between the hours of 9 a. m. and 5 p. m.

Students who are accepted for the spring term will register in the office of the secretary of the Division of Public Health on *Monday, March 15, 1937,* between the hours of 9 a. m. and 5 p. m.

EXAMINATIONS

The regular examinations in the Division of Public Health are held during the final week of each training period.

THE PUBLIC HEALTH CURRICULA

The following courses, except those which are designated for special groups, are required of all trainees. Extra time is given for the instruction of health officers in public health administration, epidemiology and child hygiene. Sanitary engineers are given a special advanced course in the more technical phases of public health engineering.

101 Public Health Administration
111 The Principles and Practices of Sanitation
112 Sanitary Engineering
121 Epidemiology
122 Communicable Diseases
131 Child Hygiene
141 Vital Statistics
151 Public Health Laboratory Methods
161 Preventive Medicine and Hygiene
Public Health Surveys and Sanitary Excursions
Conferences

COURSES OF INSTRUCTION

101. PUBLIC HEALTH ADMINISTRATION.

Lectures: The theory of public health administration is developed by a study of the administrative methods actually employed in various governmental units including municipalities, counties, states, and the federal government. Certain phases of public health administration are covered by special lecturers who are invited from time to time to cover those particular fields upon which they can speak with authority.

Some time is given to proper procedures in the administrative control of the more important communicable diseases such as tuberculosis, venereal diseases, diphtheria, pneumonia, measles, whooping cough, meningitis, typhoid fever, intestinal parasites, rabies, and malaria.

Each student is required to make a public health survey of some city or town according to an outline supplied him.

Each student compiles his own text book during the course, using a loose leaf system. The notes on the lectures are supplemented by pamphlets, reprints, forms, and references to specific phases of the work, so that at the end of the course the student has the nucleus for a public health reference library which can be enlarged from year to year.

Field Studies and Demonstration: Arrangements are made for field visits to the adjoining health departments and the North Carolina State Board of Health for the purpose of coördinating the lecture material with actual field demonstration.

Three lecture and two demonstration hours each week. Professor Fox and special lecturers.

111. THE PRINCIPLES AND PRACTICES OF SANITATION.

A general survey course, consisting of lectures, demonstrations, laboratory exercises, and field visits, designed to meet the needs of students preparing to engage in public health activities. The following subjects will receive attention: (1) Historical and Epidemiological background of sanitation, its direct and indirect effects on the public health; (2) Sanitary surveys; (3) Rural sanitation; (4) Water supply—protection of sources, collection, purification and distribution; (5) Sewerage—sewage collection, treatment, disposal, stream sanitation; (6) Laboratory analysis of water, sewage, and industrial wastes; (7) Malaria control; (8) Illumination; (9) Plumbing; (10) Food Sanitation—production, preservation, and preparation; (11) Milk sanitation; (12) Shellfish sanitation; (13) Garbage and refuse collection and disposal; (14) Sanitation of schools, camps, and bathing places.

This course includes several field trips with reports on the following:

1. Sanitary survey of rural and domestic water supplies.
2. Inspection of water purification plants and sewage treatment works.
3. Inspection of garbage collection, equipment, and incinerators.
4. Inspection and rating of dairies of all grades.
5. Inspection and rating of hotel and restaurant kitchens and food stores.
6. Inspection and rating of prison camp and school sanitary facilities.

Three lecture and four laboratory hours each week. Professor Baity and Messrs. Geyer and Hollett.

112. SANITARY ENGINEERING.

An advanced course in sanitary and public health engineering for students holding engineering degrees. It includes studies of the design and operation of water supply and sewerage systems, water and sewage treatment plants, industrial waste disposal, rural sanitation, drainage, malaria control, hydrology, etc. Parallel laboratory exercises comprise problems in the layout and

design of sanitary engineering works and in the laboratory techniques employed in their operation and control.

Three lecture and four laboratory hours each week. Professor Baity, Messrs. Geyer and Hollett.

121. EPIDEMIOLOGY.

The course will consist of lectures and demonstrations, and will cover the epidemiology of important type diseases, such as small pox, typhoid fever, para-typhoid fever and dysentery, diphtheria, scarlet fever, measles, whooping cough, influenza and pneumonia, tuberculosis, poliomyelitis, malaria, endemic typhus, Rocky Mountain spotted fever, pellagra, venereal diseases.

The practical field work of this course will be obtained in local health departments, both city and county. The epidemiological study of one disease is required in written form from each student.

Three hours each week. Dr. Rosenau and Dr. Knox.

122. COMMUNICABLE DISEASES.

This course, for sanitary engineers, sanitarians, and sanitary officers, consists of lectures describing the clinical picture of the more common communicable diseases, particularly those diseases covered in the courses in Epidemiology and Preventive Medicine and Hygiene.

Three hours each week. Professor Rose.

131. CHILD HYGIENE.

Lectures will cover maternity and infancy hygiene, growth and development of the child, nutrition and food requirements, deficiency diseases, child welfare agencies, diseases peculiar to childhood, oral hygiene, mental hygiene.

Practical field work will be obtained in the field training center.

Two hours each week. Professor Fox, Dr. Knox, Dr. Cooper and Dr. Branch.

141. VITAL STATISTICS.

The lectures outline methods of vital registration, the participation of local health departments in recording births and deaths, and the value of these records when properly used. Methods are presented for collecting, tabulating, and graphically presenting statistical data, with special emphasis on their use by the county health officer. The calculations include population estimations, rates and ratios, and simple curve fitting. Laboratory work furnishes the student an opportunity to apply the principles covered by the lectures.

One lecture and two laboratory hours each week. Dr. Stimpson.

151. PUBLIC HEALTH LABORATORY METHODS.

Lectures, discussions, and practical laboratory work in the diagnosis of diseases of public health importance, such as: scarlet fever, diphtheria, tuberculosis, whooping cough, pneumonia, typhoid fever, bacillary and amoebic dysentery, brucellosis, gonorrhoea, syphilis, rabies, malaria, and hook worm. Insect vectors are examined, and simple classification of mosquitoes attempted. The preparation, standardization, and use of biological products is discussed, and the student performs Schick, Dick, Widal, Wassermann, and Kahn tests. Emphasis is placed on proper taking of specimens, principles involved in diagnosis, and interpretation of results.

One lecture and six laboratory hours each week. Professor MacPherson.

161. PREVENTIVE MEDICINE AND HYGIENE.

A general course in preventitive medicine from the standpoint of epidemiology, covering some of the important facts on which scientific and sound public health administration is based.

Three hours each week. Dr. Rosenau.

PUBLIC HEALTH SURVEYS AND SANITARY EXCURSIONS

Several field trips are made, especially in the courses dealing in sanitary engineering, public health administration, and epidemiology. Students will be accompanied by instructors.

MISCELLANEOUS

Instruction is also given in public speaking, mental hygiene, heredity and sex hygiene, mental deficiency, etc.

PUBLIC HEALTH UNIT FOR FIELD INSTRUCTION

An additional month will be devoted to actual work in this unit, under the guidance and instruction of Dr. William P. Richardson, for North Carolina trainees.

FEBRUARY 25, 1936 NUMBER 303

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE ONE HUNDRED AND FORTY-SECOND SESSION

CATALOGUE OF THE SCHOOL *of* PHARMACY

1935-1936

Announcements for the Session
1936-1937

THE UNIVERSITY OF NORTH CAROLINA PRESS
ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER
ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT
CHAPEL HILL, N. C.
UNDER THE ACT OF AUGUST 24, 1912

CATALOGUE OF EVENTS

1936

June 11-July 22	Summer Session, First Term.
July 23-August 29	Summer Session, Second Term.
September 14	*Monday.* Entrance Examinations.
September 14-15	*Monday and Tuesday.* Examinations to remove condition grades.
September 16	*Wednesday.* Registration of first year students for the fall quarter.
September 17	*Thursday.* Registration of all students except first year students for the fall quarter.
September 18	*Friday.* Class work for the fall quarter begins.
October 12	*Monday.* University Day.
November 25	*Wednesday.* Thanksgiving Recess begins (1:00 p.m.).
November 30	*Monday.* Thanksgiving Recess ends (8:30 a.m.).
December 10-19	*Thursday to 1:00 p.m. Saturday of following week.* Registration for the winter quarter.
December 15-19	*Tuesday through Saturday.* Examinations for the fall quarter.
December 19 (afternoon)-December 30	Christmas Recess.
December 31	*Thursday.* Registration of new students.

1937

January 1	*Friday.* Class work for the winter quarter begins.
March 5-13	*Friday to 1:00 p.m. Saturday of following week.* Registration for the spring quarter.
March 9-13	*Tuesday through Saturday.* Examinations for the winter quarter.
March 15	*Monday.* Registration of new students.
March 16	*Tuesday.* Class work for the spring quarter begins.
April 11-18	*Sunday through Sunday.* Spring Recess.
May 31-June 4	*Monday through Friday.* Examinations for the spring quarter.
June 6-8	*Sunday through Tuesday.* Commencement Exercises.

INFORMATION PERTAINING TO THE GENERAL UNIVERSITY

The School of Pharmacy is one of the divisions of the University of North Carolina, located at Chapel Hill. It is governed by the same administration, the same board of trustees, the same laws and regulations as the rest of the University.

Candidates for admission are received by certificate from accredited schools or by examination. Each application for admission must be passed upon and approved by the Dean of Admissions of the University before the application can be considered.

STUDENT GOVERNMENT

The student body of the University is self-governing. The functions of this government are both disciplinary and constructive. The functions are exercised by the Student Council which is elected by the student body. The School of Pharmacy is represented on this council by a member of the third-year class. Student government, insofar as it is disciplinary, is based upon the honor principle. No code of rules is laid down to direct a student what to do and what not to do. The only standards are those of morality and gentlemanly conduct, and obedience to the laws of North Carolina. The Student Council has power to suspend or dismiss a student from the University, but the final and supreme power is in the general university faculty, delegated to it by the Board of Trustees.

RELIGIOUS INFLUENCES

Through the coöperation of all concerned, religious influences of unusually effective character surround the University student. Chapel exercises are held in Memorial Hall at ten-thirty o'clock. The Young Men's Christian Association, to which the University makes annual contributions, is of great value in the life of the campus.

The larger denominations of the State have erected at Chapel Hill modern and adequate church plants. The Chapel Hill churches are manned by an effective and coöperative group of pastors, are all located in close proximity to the campus, and play a very large and genuine part in the life of the University.

WITHDRAWALS

Formal withdrawal, which is prerequisite to honorable dismissal or reëntrance to this institution, to be valid must be approved by the student's Dean. Such a withdrawal will be approved only after full investigation of the circumstances and after the lapse of twenty-four

hours from the time the first application is filed with the Dean. The withdrawal form after approval by the Dean must be filed promptly with the Recorder in room 8 in the South Building.

If a student withdraws after the mid-term and is reported as below passing in two or more courses, that quarter will be counted as a quarter in residence in all computations of his requirements for readmission. If a student withdraws before mid-term, it will be left to the discretion of the Dean as to whether or not that quarter is to be counted as a quarter in residence. The Dean's verdict will be indicated specifically on the form used for withdrawal.

As students of the University, students of pharmacy enjoy all of the privileges of the institution and are subject to all general regulations.

HEALTH AND RECREATION

The health of the student community is cared for by the maintenance of a properly appointed infirmary with a staff of well trained physicians and nurses. The university gymnasium and five large athletic fields provide ample facilities for exercise and recreation, all under the supervision and direction of a well organized department of physical education.

LIBRARIES

In addition to the specialized departmental and school libraries the general university library, containing over two hundred and eighty-five thousand volumes, offers its opportunities to members of all divisions of the institution.

LOCATION

Chapel Hill is thirty miles west of Raleigh, the capital of the State, in the beautiful Piedmont section of hills and forests. It is served by the Southern Railway and can be reached from every point by paved roads. Its environment of natural beauty and simple culture, of age and traditions, is impressive. The University of North Carolina, the first state university to open its doors in America and a member of the Association of American Universities, is recognized as a leader among educational institutions.

THE SCHOOL OF PHARMACY

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President.*
Robert Burton House, A.M., *Dean of Administration.*
John Grover Beard, Ph.G., Ph.M., *Dean.*

*THE ADMINISTRATIVE BOARD

William deBerniere MacNider, M.D., Sc.D., LL.D.
Dudley deWitt Carroll, M.A.
Henry Roland Totten, Ph.D.
Henry Matthew Burlage, Ph.D.
Ira Winfield Rose, Ph.G.
Marion Lee Jacobs, Ph.C., M.Sc.
Ralph Walton Bost, Ph.D.

SPECIAL STAFF

William deBerniere MacNider, M.D., Sc.D., LL.D., *Kenan Research Professor of Pharmacology.*

Dudley deWitt Carroll, M.A., *Professor of Economics and Dean of the School of Commerce.*

John Grover Beard, Ph.G., Ph.M., *Professor of Materia Medica and Dean of the School of Pharmacy.*

Robert Ervin Coker, Ph.D., *Professor of Zoölogy.*

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Henry Matthew Burlage, Ph.D., *Professor of Pharmacy.*

Arthur E. Ruark, Ph.D., *Professor of Physics.*

Arthur Palmer Hudson, Ph.D., *Professor of English.*

Edward Mack, Jr., Ph.D., *Smith Professor of Chemistry.*

Malcolm Dean Taylor, A.B., M.B.A., *Associate Professor of Marketing.*

Almonte Charles Howell, Ph.D., *Associate Professor of English.*

Ira Winfield Rose, Ph.G., *Associate Professor of Practical Pharmacy.*

Marion Lee Jacobs, Ph.G., *Associate Professor of Pharmaceutical Chemistry.*

Grant Lester Donnelly, A.B. in Educ., M.D., *Associate Professor of Pharmacology.*

Ralph Walton Bost, Ph.D., *Associate Professor of Chemistry.*

William Anderson Olsen, A.M., *Assistant Professor of English.*

H. Dale Roth, B.S. in Pharm., *Graduate Assistant in Pharmacy.*

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

HISTORICAL SKETCH

In 1880 Dr. Thomas W. Harris was instrumental in establishing a School of Pharmacy at the University in connection with the School of Medicine. Doctor Harris was Professor of Anatomy, Materia Medica, and Pharmacy. The course in pharmacy extended over two sessions of five months each, and led to the degree of Graduate in Pharmacy (Ph.G.). The school was continued until the resignation of Doctor Harris in 1886, when it was abandoned. In the fall of 1889 the school was revived by Dr. Richard H. Whitehead, but again its career was cut short. Finally, in March, 1897, in response to an urgent request previously presented by the North Carolina Pharmaceutical Association, the present school was established upon a firm foundation and Edward Vernon Howell was appointed Professor of Pharmacy and Dean. The early course of studies extended over two sessions of nine months each and led to the degree of Graduate in Pharmacy (Ph.G.).

The School has gradually increased its staff and its laboratory and library facilities; it has advanced its minimum degree offerings from two to three and in 1932 to four years of study; it secured membership in the American Association of Colleges of Pharmacy in 1917; and obtained the exclusive use of its present building (Howell Hall of Pharmacy) in 1925. Incidentally the building contains 35 rooms, 22,000 sq. ft. of floor space, and provides space for a departmental library and reading room, an auditorium, and a modern dispensing laboratory. The latter was provided in 1935 as a gift from an alumnus. Howell Hall is located in the northeast section of the campus, adjacent to the Arboretum, the Medicinal Plant Gardens, and the Biology building (Davie Hall).

The University of the State of New York credits fully the four year's of work here as evidence of due preparation for the examinations of the licensing board in that state.

In 1933 the Graduate School of the University began offering a course of study with majors in three fields of pharmaceutical education which leads to the degree of Master of Science (S.M. in Phar.).

REQUIREMENTS FOR ADMISSION

Women or men may qualify for admission to the School provided applicants meet the following requirements and their credentials are first submitted to the Associate Registrar of the University.

English	4 units	Plane Geometry	1 unit
*Social Science	2 units	French or German or Latin	2 units
Algebra	1½ units	Electives to make total of	15 units

NOTE: Special course. A few students, who are more than twenty-one years of age and who in the judgment of the Dean are qualified to carry work of college grade, may be admitted for a one year special course of study without the regular requirements for admission.

* One unit must be in history, American History recommended.

EXPENSES

Tuition and Other Fees for Each Quarter

Each student whose *bona fide* residence has not been established in North Carolina for at least six months prior to his first registration in the University must pay an extra fee of $33.34 for each fall, winter, or spring quarter he spends in residence. The residence of a minor is that of his parents or guardian. The residence of an adult remains with his parents or guardian unless he shall have independently set up his own.

Students in doubt about their residence status should appeal their cases in writing to the Dean of Administration, preferably in advance of registration.

	Residents of N. C.
Tuition	$28.34
*Matriculation	14.50
Student Publications	2.30
Laundry Deposit	8.50
Student Union fee	1.00
Special Entertainment fee	1.00
Total for each quarter	$55.64

Delayed Registration: The penalty for delayed registration for any quarter is one month of strict attendance probation for each day of delay. Any student registering later than the time appointed for his registration must pay five dollars ($5.00) as an additional fee for his delayed registation. No appeal from either attendance probation or the late registration charge of five dollars will be granted, unless the delay is due to circumstances clearly beyond the student's control. Such an appeal must be made in writing to the Dean of Administration, must show clearly good and sufficient justification for the delay in registering, and must bear the approval of the Dean of the School of Pharmacy.

Laundry Deposit: Students will be required to send their washing to the University Laundry for which a deposit of $8.50 will be collected at the time of registration.

Laboratory Fees: Each student taking a laboratory course must pay, in addition to his tuition fee, a small fee for power or materials used in the laboratory. Please bear in mind that laboratory fees are levied upon each student according to the courses pursued. The fees for the various laboratory courses are shown in connection with the description of courses.

Graduation Fee. The graduation fee is $5.00 payable when application for the degree is made.

* This fee includes fee for physical education, the library fee, the fee for infirmary service, and the fee for debates.

PAYMENT OF BILLS

Bills for the fall quarter are payable at the time of registration. Bills for the winter and spring quarters are payable at the Business office on the first class day of the quarter. Failure to pay or to make proper arrangements for payment results in the assessment of an extra fee of $5.00.

DORMITORY ACCOMMODATIONS FOR MEN

Accommodations for approximately fourteen hundred students are available in the University dormitories.

All rooms in the dormitories are completely furnished. Students will, however, provide their own pillows, bed linen (for single beds), blankets, and towels.

Room rent ranges from $5.25 to $10.00 a month for each occupant, the price depending upon the location of the room. This charge includes light, heat, and service. Rooms are leased for the scholastic year. The rooms in the University dormitories are assigned to students in the order of application.

The University reserves the right to require any student whom for any reason it considers an undesirable tenant to vacate a room in a University dormitory.

New students should apply to the Cashier of the University for a dormitory room and enclose with the application a deposit fee of $5.00.

In order to retain his room for the next scholastic year, a student must file with the Cashier before May 25 an application and a deposit of $5.00 as an option. Double rooms must be applied for by both intending occupants. The rooms thus applied for will be retained until September 1, when the first payment of rent is due. The $5.00 option deposit will be forfeited in case the applicant does not himself occupy the room and pay the rent. Rooms not applied for or made vacant by failure to pay at the proper date will be assigned in the order of application.

The right to occupy a room is not transferable and terminates with the expiration of the lease. Any attempt on the part of an occupant of a room to sell or transfer his right to occupancy shall be deemed a fraudulent transaction. The penalty for violating this rule shall be the forfeiture of the room by the new lessee.

The occupant of a room will be held directly responsible for any damage done to the furniture in his room or to the room.

No dogs shall be kept in the University dormitories. Breach of this regulation leads to forfeiture of the room.

RESIDENCE FOR WOMEN

The Cornelia Phillips Spencer Building is the dormitory for women. Women not living in their own homes are required to reside in the dormitory unless permission to live elsewhere is granted by the Adviser to Women, Mrs. M. H. Stacy. Ordinarily such permission is granted in exceptional cases only, and to graduate students.

Rooms in the dormitory are rented upon the basis of the full session but the bill is payable in two installments, September 1 and February 1. The rooms are completely furnished. Students will provide, however, pillows, bed linen (for single beds), blankets, and towels. All persons living in the dormitory are required to board there also.

The cost of room and board for the session is $283.00 if the student shares a double room, or $328.00 if the student occupies a single room. Details of the payments to be made for room and board may be found in the Handbook for Women Students or by correspondence with Mrs. M. H. Stacy.

APPLICATIONS FOR LOANS

Applications for loans should be made to the Student Loan Fund office as far in advance as possible. The funds are limited in amount and are loaned only on the security of two approved signatures and at the legal rate of interest.

SELF HELP

Every effort is made to provide needy students with various forms of work. To secure such positions the applicant should make every effort to present his case before May 15 to the University Self Help Bureau.

REGISTRATION

Students who expect to register for the first year class should be in Chapel Hill on September 11 and at once present themselves to the Dean of the School of Pharmacy in Howell Hall. The time between this date and formal registration is devoted to placement tests and to a systematic plan of getting new students thoroughly familiarized with their surroundings. All students begin their registration in Howell Hall.

Registration for credit for any course is limited to the first seven calendar days of a quarter, unless the late registration is approved by the instructor concerned, the Dean, and the special faculty of the School of Pharmacy.

ATTENDANCE

Regular class attendance is a student obligation; an unexcused absence is not recognized as a privilege. Absence from class for cause

may be excused. Such absences are classified as (a) *those due to participation in recognized University activities, as those of the Glee Club, Debating and Athletic teams, and the Playmakers, when occurring away from Chapel Hill, such excuses to be issued by the Assistant Registrar; (b) those due to actual illness, testified to within forty-eight hours by the physician who personally attended the student during such illness; and (c) those due to emergencies caused by extraordinary circumstances, when *excused by the Dean in advance.*

The maximum number of unexcused absences during any quarter shall not exceed the number of weekly meetings of the class, provided that a department may impose penalties for a smaller number. Any student who has incurred the maximum number of unexcused absences shall be placed on attendance probation, and in case of an additional unexcused absence from *any* class may be suspended from the University by the Dean. Before the decision is reached regarding the suspension the Dean shall confer with either or both the instructor and the head of the department in which the student has taken the maximum number of absences.

Absences immediately before or immediately after University holidays shall count as the maximum number described in the foregoing paragraph.

Any student who, without excuse, is absent from a quiz or examination at the appointed time thereof will not be permitted to make up this quiz or examination.

No student shall be given credit in the University for any course who has attended less than 75 per cent of the class meetings of such course during the quarter in which the course is offered.

EXAMINATIONS

Regular written examinations are required at the end of each quarter in all courses except those the nature of which is such as to make written examinations unnecessary.

Special examinations may be taken by students, who have received the condition grade (E), at the period of the special examinations in September. Provided he has no conflict with a course regularly taken by him in the quarter such a student may take the examination with the class in the same subject at any regular quarter examination period within a year after he has made the grade E. A fourth year student who makes a grade of E in his last quarter of residence is allowed to take a special examination for removal of the E not earlier than three days after his last examination in that period of examinations. The grade E becomes F if the student fails to pass the reëxamination whether in September or at a regular period.

Under no circumstances may a student stand a special examination to remove a condition grade (E) between the first and the last class

* Such authorized leaves of absence must be secured in advance.

days in any quarter unless such examination is requested and approved by the instructor of the course and the Committee on Petitions of the School.

Special examinations for students who have been officially excused from regular examinations on account of sickness or have been absent on account of some necessary cause may be held at suitable times fixed by the Recorder and the instructors concerned. Such examinations must be taken within twelve (12) months of the date of absence.

To be entitled to take a special examination within a quarter, or at the September period, or at a regular quarter examination period, the student is required to file with the Recorder at least one week prior to the examination period a written notice that he desires to take such examination.

Students absent from an examination without an official excuse or present and failing to submit examination papers are reported "absent." This mark is equivalent in every respect to grade F or failure, and is so reckoned in the office of the Registrar.

Each student is required to subscribe his name to the following pledge or its equivalent on every paper: "I hereby certify that during this examination I have neither given nor received aid." The instructor should not report a grade for any student whose examination paper lacks this pledge.

Papers handed in at a special examination by students who have been officially excused from the regular examination will be graded; all others will be marked "passed" or "failed."

STANDING

At the close of each quarter reports of the standing of all students in all of their studies are sent to parents or guardians. The reports are based upon the following system of grading: A—Excellent, B—Good, C—Fair, D—Barely passed, E—Conditioned, F—Failed, or I*—Work Incomplete.

PROMOTIONS

A student must attain a grade of D to pass any course.

The right of appeal to the Committee on Petitions of the School of Pharmacy is allowed in respect to grading provided the appeal is made within three months.

Students of pharmacy, in order to be eligible to continue in the School, must qualify according to the following requirements: A first year student must pass at least five quarter hours in the fall quarter, at least ten quarter hours in the first two quarters, and by the end of

* The grade I may be converted into one of the other grades by completing within a period of twelve months such additional assignments as may be required by the instructor in the course. A grade of I not so converted becomes F.

the spring quarter at least twenty-five quarter hours, not fewer than five of which must be in the spring quarter. Thirty quarter hours are required if deficiencies are removed by correspondence or Summer Session work. All other students of pharmacy must pass at least ten quarter hours each quarter for three quarters or thirty-five quarter hours if deficiencies are made up as above stated.

Any student who is denied promotion or readmission but who offers evidence of extenuating circumstances is permitted to make a written appeal to the Committee on Petitions provided he does so within three days after he has been pronounced ineligible.

In addition to the above regulations the following rule applies to students in pharmacy: No student may be admitted to the third year if any first year subject has not been completed.

DESCRIPTION OF CURRICULA

The School of Pharmacy recognizes that its graduates may be expected to pursue one or another of three related but definitely different forms of pharmaceutical practice. (A) They may become prescriptionists in or owners of retail drug stores; (B) they may elect to enter the field of medicinal manufacture; or (C) they may decide to establish technical laboratories or enter the U. S. Public Health Service. Each different form of effort requires a specialized type of training and the School has attempted to provide such specialization. Certain subject matter, however, is basically necessary regardless of what type of pharmaceutical career is to be followed and the School has accordingly set up a common course for its first and second year students. At the beginning of the third year specialization begins through the election by the student of his preferred group of studies taken from either of the curricula designated as A, B, or C.* The contents of each curriculum will be found on pages 13-14.

By action of the Administrative Board of the School of Pharmacy the Dean of the School is authorized to allow substitutions of certain academic subjects for certain prescribed pharmaceutical courses in the cases of rising third year students who in his opinion have made such records as to warrant their acceptance after graduation into standard medical schools.

Curricula Leading to the Degree of Bachelor of Science in Pharmacy

In order to be recommended for the degree of Bachelor of Science in Pharmacy the student must have completed one of the four-year courses of study outlined below. A student who has completed one or more years of accredited work in a recognized school of pharmacy and submits satisfactory evidence of having completed the entrance

* Curriculum C will not be offered in 1936-1937.

requirements and courses equivalent to those prescribed in the curriculum required for the degree of S.B. in Pharmacy, may be admitted with advanced standing and proceed for this degree. The minimum requirement of residence for a degree is a period of three quarters within a period of twelve months. A full year's work comprising at least forty-five quarter hours must be completed by a transferring student.

Curricula Leading to the Degree of S.B. in Pharmacy

First Year

Fall Quarter: Chemistry 4, English 1, Mathematics 1, Pharmacy 10.

Winter Quarter: Chemistry 5, English 2, Mathematics 2, Pharmacy 12.

Spring Quarter: Botany 41, English 3, Mathematics 3, Pharmacy 13.

Second Year

Fall Quarter: Chemistry 31, English 44, Zoölogy 41.

Winter Quarter: Botany 42, Materia Medica 51, Pharmacy 22.

Spring Quarter: Chemistry 42, Materia Medica 52, Pharmacy 23, Physiology 23.

CURRICULUM A

Third Year

Fall Quarter: †Economics 31, Materia Medica 53, Pharmacology 55, Pharmacy 61.

Winter Quarter: †Economics 32, Pharmaceutical Chemistry 62, Pharmaceutical Chemistry 64.

Spring Quarter: English 51, Pharmaceutical Chemistry 63, Elective.

Fourth Year

Fall Quarter: Pharmaceutical Chemistry 70, Pharmaceutical Chemistry 71, Pharmacy 90, Pharmacy 91.

Winter Quarter: Commerce 61 or 165, Pharmacy 92, Pharmacy 96, Elective.

Spring Quarter: Pharmacy 98, Pharmacy 93, Pharmacy 97, Elective.

CURRICULUM B

Third Year

Fall Quarter: Materia Medica 53, Pharmacology 55, Pharmacy 61, Physics 21.

Winter Quarter: Pharmaceutical Chemistry 62, Pharmaceutical Chemistry 64, Physics 22.

† These courses in Economics meet five hours a week.

Spring Quarter: Chemistry 71, Pharmaceutical Chemistry 63, Physics 23.

Fourth Year

Fall Quarter: Chemistry 163, Pharmaceutical Chemistry 171, Pharmacy 91.

Winter Quarter: Botany 52, Pharmaceutical Chemistry 172, Pharmacy 92, Elective.

Spring Quarter: English 51, Pharmaceutical Chemistry 173, Pharmacy 98, Elective.

CURRICULUM C*

Graduate Work in Pharmacy

The degree of Master of Science in Pharmacy will be conferred upon students who have satisfactorily completed approved graduate work extending over not less than one year. This course is administered by the Graduate School and information concerning it may be obtained by addressing the Dean of the Graduate School.

†COURSES OF INSTRUCTION

Materia Medica and Pharmacology

23. PHYSIOLOGY. (3).

A study of the functions of the normal human body and a consideration of how these functions are modified by the action of drugs. Laboratory experiments are conducted by the instructor to demonstrate the more important physiological reactions of the lower animals, frogs, turtles, and cats. *Three hours a week, spring quarter.* Professors MacNider, Donnelly.

51-52. MATERIA MEDICA. (10). Prerequisite, Botany 41; corequisite, Botany 42.

The individual drugs of the United States Pharmacopoeia and the National Formulary are considered from the standpoint of their origin, history, appearance, structure, active principles, chief medicinal properties, official preparations, and doses. These drugs are grouped and studied according to the families to which they belong. Later they are classified into therapeutic groups, based on their action. Textbooks and references to be assigned. Lectures and recitations. *Five hours a week, winter and spring quarters.* Professor Beard.

53. MATERIA MEDICA. (3). Prerequisite, Materia Medica 51-52.

This course is to be considered as a continuation of Materia Medica 51-52. In addition to a more comprehensive study of vegetable and chemical drugs, consideration is given to the animal and biological products which are used in therapeutics. Lectures and recitations. Textbook: Gershenfeld's *Bacteriology and Sanitary Science. Three hours a week, fall quarter.* Professor Beard.

55. PHARMACOLOGY. (4). Prerequisite, Materia Medica 51-52, Physiology 23.

This course is concerned with the physiological and therapeutic action of drugs both upon man and upon lower animals. Prior to this work the student

* Not to be offered in 1936-1937.

† The numbers in parenthesis following the descriptive titles indicate the credit values of the courses counted in quarter hours.

has completed Materia Medica 51-52 which is concerned with the study of the physical and chemical properties of drugs, their preparations, dosage, and a brief statement of their effect. This course in Pharmacology is intended to amplify and give in a more detailed fashion an understanding of the way in which the drug acts in normal and in toxic quantities. A consideration of the biological standardization of drugs is also a part of this course. Textbook: Bastedo's *Materia Medica, Pharmacology, and Therapeutics. Two lecture and four laboratory hours a week, fall quarter. Laboratory fee, $5.00.* Professors MacNider, Donnelly.

391-392-393. RESEARCH IN MATERIA MEDICA AND PHARMACOGNOSY. (15).

These advanced courses consist of laboratory work, conferences with the major professor, and library investigations relating to research. The professor in charge is responsible for the assignment and approval of the subject and character of the thesis. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professors Beard, Totten.

Pharmaceutical Chemistry

62-63. ORGANIC PHARMACEUTICAL CHEMISTRY. (12). Prerequisite, Chemistry 31.

A consideration of the aliphatic and aromatic series. Stress is placed on the compounds of pharmaceutical importance. *Three lecture and six laboratory hours a week, winter and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Jacobs; Assistant.

64. INORGANIC PHARMACEUTICAL CHEMISTRY. (5). Prerequisite, Chemistry 42.

A laboratory and lecture course designed to acquaint the student with the identification tests and general assays of the *United States Pharmacopoeia* and *National Formulary.* Textbook: Jenkins and DuMez's *Quantitative Pharmaceutical Chemistry. Two lecture and six laboratory hours a week, winter quarter. Laboratory fee, $5.00.* Professor Jacobs; Assistant.

70. BLOOD AND URINE ANALYSIS. (3). Prerequisite, Chemistry 42.

This course is designed to acquaint the student with the qualitative and quantitative analysis of blood and urine. Reference: Hawk and Bergeim's *Physiological Chemistry. One lecture and four laboratory hours a week, fall quarter. Laboratory fee, $5.00.* Professor Jacobs; Assistant.

71. ORGANIC PHARMACEUTICAL CHEMISTRY. (4). Prerequisite, Pharmaceutical Chemistry 62-63, or equivalent.

A study of the more important medicinal plant products and synthetic drugs. The laboratory work will consist of the isolation, purification, and identification of plant constituents and also of the identification of the common synthetic drugs. *Two lecture and four laboratory hours a week, fall quarter. Laboratory fee, $7.50.* Professor Jacobs; Assistant.

141. ADVANCED ORGANIC PHARMACEUTICAL CHEMISTRY (6). Prerequisite, Pharmaceutical Chemistry 62-63 or equivalent.

A study of the more complex organic compounds used in medicine, empha sizing the structure, chemical relationship, and synthesis of these compounds. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Professor Jacobs.

171. ORGANIC PHARMACEUTICAL CHEMISTRY. (5). Prerequisite, Pharmaceutical Chemistry 62-63, or equivalent.

A study of the more important medicinal plant products and synthetic drugs. The laboratory work will consist of the isolation, purification, and identification of plant constituents and the synthesis of simple organic medicinal compounds. *Two lecture and six laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Professor Jacobs; Assistant.

172. PHARMACEUTICAL ANALYSIS. (5). Prerequisite, Pharmaceutical Chemistry 64.

A laboratory course supplemented by lectures emphasizing the more advanced and special assay methods of the *United States Pharmacopoeia* and *National Formulary. Two lecture and six laboratory hours a week, winter quarter. Laboratory fee, $10.00.* Professor Jacobs; Assistant.

173. FOOD AND DRUG ANALYSIS. (5). Prerequisite, Pharmaceutical Chemistry 172.

A laboratory and lecture course dealing with the methods employed by government laboratories to control food and drug products. *Two lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Professor Jacobs; Assistant.

242-243. ADVANCED ORGANIC PHARMACEUTICAL CHEMISTRY. (10). Prerequisite, Pharmaceutical Chemistry 141 or equivalent.

A study of the complex synthetic organic medicinal products. Their structure, synthesis, and properties are considered. *One lecture and eight laboratory hours a week, winter and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Jacobs.

245. ADVANCED TOXICOLOGY. (5). Prerequisite, Pharmaceutical Chemistry 62-63 or equivalent.

The medico-legal aspects of toxicology are considered with particular emphasis on the identification of poisons in cadaverous material. *Two lecture and six laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Professor Jacobs.

361-362-363. SEMINAR. (3).

Required of all graduate students. *One hour a week, fall, winter, and spring quarters.* Members of the Staff.

391-392-393. RESEARCH IN PHARMACEUTICAL CHEMISTRY. (15).

Statements regarding Materia Medica 391-392-393 apply to this course. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Jacobs.

Pharmacy

10. PHARMACEUTICAL MATHEMATICS. (3).

It is the purpose of this course so to relate arithmetic and mathematics to pharmacy as to make certain that students can solve correctly the scientific problems encountered in dispensing as well as the merchandising calculations that arise in drug store practice. Textbook: Sturmer's *Pharmaceutical Arithmetic. Three hours a week, fall quarter.* Professor Beard.

11 (12). PHARMACEUTICAL LATIN. (2).

A certain modicum of Latin is absolutely essential to the understanding of pharmaceutical terminology and to the proper handling of prescriptions. It is

the purpose of this course to provide exactly that modicum. Textbook: Howe and Beard's *Latin for Pharmacists. Two hours a week, winter quarter.* Professor Beard.

12. PHARMACEUTICAL TECHNIQUE. (4).

Lectures deal with the theory and practice of pharmacy. The laboratory acquaints the student with the fundamental manipulations involved. Textbooks: *United States Pharmacopoeia; National Formulary. Three lecture and two laboratory hours a week, winter quarter. Laboratory fee, $3.00.* Professor Burlage; Assistants.

13. PHARMACEUTICAL TECHNIQUE AND PREPARATIONS. (3).

A continuation of Pharmacy 12 dealing with the more advanced theories and manipulations of pharmacy. Textbooks: *United States Pharmacopoeia; National Formulary. Two lecture and two laboratory hours a week, spring quarter. Laboratory fee, $4.00.* Professor Burlage; Assistants.

22. INORGANIC PHARMACY. (5). Prerequisite, Chemistry 31, Pharmacy 13.

The official inorganic compounds are studied. The laboratory deals with the more important compounds and preparations involving chemical reactions. Textbooks: *United States Pharmacopoeia; National Formulary. Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $5.00.* Professor Burlage; Assistants.

23. GALENICAL PHARMACY. (3). Prerequisite, Pharmacy 10, 13.

The official galenicals are studied in the lectures. The laboratory consists of the preparation of the more important representatives. Textbooks: United *States Pharmacopoeia; National Formulary. Two lecture and two laboratory hours a week, spring quarter. Laboratory fee, $5.00.* Professor Burlage; Assistants.

61. ADVANCED GALENICAL PHARMACY. (5). Prerequisite, Pharmacy 23.

A continuation of Pharmacy 23 with emphasis on the more difficult official preparations, especially those made by maceration and percolation. Textbooks: *United States Pharmacopoeia; National Formulary. Three lecture and four laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Professor Burlage; Assistants.

90. PARASITICIDES. (3).

A course intended to supply information concerning the uses and methods of application of poisonous or inhibitory substances used as insecticides, fungicides, parasiticides, and rodenticides. *Three hours a week, fall quarter.* Professor Rose.

91-92. DISPENSING. (10). Prerequisite, Pharmacy 61.

A study of the compounding and dispensing of prescriptions, including incompatibilities. Practice also is required in preparing capsules, pills, powders, ointments, etc., until work is satisfactory. *Two lecture and six laboratory hours a week, fall and winter quarters. Laboratory fee, $7.50 a quarter.* Professor Rose.

93. DISPENSING. (3). Prerequisite, Pharmacy 91-92.

Continuation of Pharmacy 91-92. *One lecture and four laboratory hours a week, spring quarter. Laboratory fee, $5.00.* Professor Rose.

94. MANUFACTURING PHARMACY. (5). Prerequisite, Pharmacy 61.

The study and manufacture of pharmaceuticals, dentifrices, etc., with emphasis on the manipulation of machinery and apparatus used in the production of the same on a semi-commercial scale. *Two lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Professor Burlage.

95. HISTORY OF PHARMACY. (3).

A course designed to develop the historical background of pharmacy. Reports will be required that necessitate the use of the library and the preparation of bibliographies on the important figures and historical developments in the profession. *Three hours a week, winter quarter.* Professor Burlage.

96. COMMERCIAL PHARMACY. (3).

A practical consideration of retail store management and its problems. Executive control, organization, lay-out, merchandising, store policy, personnel, and other phases, including pharmaceutical jurisprudence, are dwelt upon. *Three hours a week, winter quarter.* Professor Rose.

97. ACCOUNTING PRINCIPLES. (5).

A study of the fundamentals of double entry bookkeeping, covering the theory of debit and credit, closing the books, and construction of financial statements. Systems suitable for drug stores will be emphasized. *Three lecture and four laboratory hours a week, spring quarter.* Professor Rose.

98. ORGANIC PHARMACY AND NEW AND NON-OFFICIAL REMEDIES. (3). Prerequisite, Pharmaceutical Chemistry 63.

A course designed to familiarize the student with the official organic compounds and the more important organic compounds and their preparations recognized in *New and Non-official Remedies.* Textbooks: *United States Pharmacopoeia; National Formulary; New and Non-official Remedies. Three hours a week, spring quarter.* Professor Burlage.

99. THEORETICAL PHARMACY. (5).

A course for fourth year students which is intended to bring together salient subject matter from materia medica, pharmaceutical chemistry, and pharmacy in order that highly important drugs may be studied from every angle. *Lectures and recitations, five hours a week, spring quarter.* Professor Beard.

141. ADVANCED DISPENSING. (5). Prerequisite, Pharmacy 91-92, 93.

Investigating problems connected with the compounding and dispensing of prescriptions. *One lecture and eight laboratory hours, any quarter. Laboratory fee, $10.00.* Professor Burlage.

144-145-146. ADVANCED MANUFACTURING PHARMACY. (15). Prerequisite, Pharmacy 94, Pharmaceutical Chemistry 63.

A continuation of Pharmacy 94 emphasizing the manufacture and production of volatile oils and aromatic synthetics and their uses in perfumes, flavoring extracts, essences, toilet preparations, and cosmetics. *Two lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Burlage.

162. MEDICINAL PLANT PRODUCTS AND THEIR PREPARATIONS. (5). Prerequisite, Pharmaceutical Chemistry 71 or equivalent.

Advanced studies of medicinal plant products emphasizing their constitution, formation, isolation, identification, preparations, and uses in medicines and other items relating to pharmacy. *Two lecture and six laboratory hours a week, winter quarter. Laboratory fee, $10.00.* Professor Burlage.

191-192-193. (9). STUDIES OF U. S. P. AND N. F. PREPARATIONS AND THEIR ASSAYS.

Special studies of these preparations with the aim of improving and assaying the same. *One lecture and four laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $5.00 a quarter.* Members of the Staff.

261-262-263. ADVANCED MEDICINAL PLANT PRODUCTS AND THEIR PREPARATIONS. (15). Prerequisite, Pharmacy 162 or equivalent.

A continuation of Pharmacy 162 with special emphasis on and problems dealing with the more complex medicinal plant products, with readings and discussions of the recent advances in this line of work. *Two lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Burlage.

351-352-353. SEMINAR. (3).

Required of all graduate students. Reports and discussions relating to recent advances in all branches of pharmacy and related sciences. *One hour a week, fall, winter, and spring quarters.* Members of the Staff.

391-392-393. RESEARCH IN PHARMACY. (15).

Statements regarding Materia Medica 391-392-393 apply to this course. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, $10.00 a quarter.* Professor Burlage.

COURSES IN SERVICE DEPARTMENTS

Botany

41. GENERAL BOTANY. (6).

An introduction to the structure and classification of plants. Lectures with laboratory and field work. *Four lecture and four laboratory or field trip hours a week, fall or spring quarter. Laboratory fee, $4.00.* Professors Coker, Totten, Couch; Assistants.

42. PHARMACEUTICAL BOTANY AND PHARMACOGNOSY. (6). Prerequisite, General Botany.

A study of drug plants; the structure of their parts and contents; the localization and identification of crystals, starches, mucilages, gums, oils, resins, glucosides, alkoloids, etc.; macroscopical and microscopical study and identification of crude drugs and their adulterants and some study and identification of their powders. *Three lecture and six laboratory hours a week, winter quarter. Laboratory fee, $4.00.* Professor Totten; Assistants.

52. ADVANCED PHARMACOGNOSY. (3). Prerequisite, General Botany and Botany 42.

Advanced work in the study of vegetable drugs; consideration of general methods employed in microanalysis of powdered drugs; preparation of materials for study; practical work in microanalysis of typical drugs and their adulterants and of mixtures. *One lecture and four laboratory hours a week, winter quarter. Laboratory fee, $4.00.* Professor Totten.

Chemistry

4-5. GENERAL CHEMISTRY. (13).

An introduction to the study of the principal non-metallic and metallic elements and their compounds. *Five lecture and three laboratory hours a week, fall and winter quarters. Laboratory fee, $4.50 a quarter.* Professors Mack, Cameron, Edmister; Messrs. Cosby, Culp, Everett, Galloway, Taylor.

31. QUALITATIVE ANALYSIS. (6). Prerequisite, Chemistry 1-2-3 or 4-5.

Laboratory work and lectures. *Three lecture and six laboratory hours a week, fall or spring quarter. Laboratory fee, $10.00.* Professors Dobbins, Markham; Messrs. Fore, Knight.

42. ELEMENTARY QUANTITATIVE ANALYSIS. (6). Prerequisite, Chemistry 31.

Volumetric Analysis. Laboratory work, lectures, and stoichiometric exercises. *Three lecture and six laboratory hours a week, winter or spring quarter. Laboratory fee, $10.00.* Professors Dobbins, Markham; Mr. Nicholson, Miss Thomas.

71. CHEMISTRY OF FOODS. Prerequisite, Chemistry 42, 61.

The composition, digestion, absorption, and metabolism of foods. *Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00.* Professor Bost.

163. QUALITATIVE ORGANIC ANALYSIS. (6). Prerequisite, Chemistry 61, 161, or equivalent.

A study of the theory of solubility, homology, class reactions, and the functional groups in organic compounds. Individual substances and complex mixtures are studied. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, $10.00.* Professor Bost.

Commerce

61. SALES MANAGEMENT. (5). Prerequisite or corequisite, Economics 31-32 or equivalent.

This course presents important problems of sales planning and administration from the point of view of the executive in charge of marketing. Among the general topics considered are: the relation of the sales department to other departments of the business; types of sales organizations; the selection, training, compensation, and management of the sales force; distribution policies including the choice of channels and agencies; sales research and market analysis; the determination of price and brand policies; the statistical control of sales operations; and the costs of distribution. Methods of preparing sales budgets are emphasized and budgets used by representative companies are examined. The distributive organization of several companies is studied critically. In the latter part of the course the problem method of instruction is used. *Five hours a week, winter quarter. Laboratory fee, $1.00.* Professor Taylor.

165. RETAIL DISTRIBUTION. (5). Prerequisite, Economics 31-32.

A critical study is made of the general policies and practices of retail institutions such as unit stores, department stores, specialty stores, chain stores, voluntary chains, and mail order houses; and an attempt is made to develop the principles of retail distribution. Among the general topics considered are: elements of retail profit, types of retail institutions and types of merchandise, store location, store layout and merchandise classification, sales and service policies, merchandising, pricing policies, brand policies, relations with merchandise sources, and organization. Problems and cases form an important part of this course. *Five hours a week, winter quarter.* Professor Taylor.

Economics

31-32. GENERAL ECONOMICS. (10). Not open to First Year students.

This course is planned to give a general understanding of the organization of our economic life and the fundamental principles underlying it. An analysis

is made of production, distribution, and consumption, of the elements which determine value and price, with a brief introduction to money, banking and credit, monopoly, business combinations, transportation, labor problems, and economic reform. *Five hours a week, fall and winter quarters.* Professors Carroll, Woosley, Spruill, Lear, Wolf, Ferger, Heath, Evans; Messrs. Winslow, Anderson, Douty, Wilder.

English

1-2-3. FRESHMAN ENGLISH. (9).

English 1 (fall) has for its object practical control of the sentence as a rhetorical unit and an understanding of the relation of sentence structure to paragraph structure. English 2 (winter) centers attention upon the paragraph and begins consideration of the technical problems of the longer theme. English 3 (spring) is devoted to study of the structure and style of the essay, and undertakes an approach toward the problems of literature courses. In all three quarters the student pursues directed reading, writes frequent themes, and has personal conferences with his instructor. (Students who fail to qualify for English 1 will be required to take a preliminary course without credit.) *Three hours a week, throughout the year.* Professors Hudson (Chairman), McClamroch, Adams, Harry Russell, Bailey; Messrs. Horner, Wilson, Wells, Spivey, Williams, Cox, Mahler, Congleton, Henry, McNeir, Cardwell, Grubb, Hartsell, Langston, Sams, Shackford, Svendsen, Ward, Robertson.

44. PUBLIC SPEAKING: INTRODUCTORY COURSE. (5).

Emphasis on organization of material, outlines, delivery, problems of attention and persuasion. Assigned reading in contemporary public problems as a basis for speaking. *Five hours a week, every quarter.* Professor Olsen.

51. ADVANCED COMPOSITION: PRACTICAL EXPOSITION. (5).

A course, primarily for students in the Schools of Commerce and Pharmacy, designed to give practice in writing the forms commonly used in the business world: letters, reports, professional papers, and articles for the press. *Five hours a week, spring quarter.* Professor Howell.

Mathematics

1-2-3. INTRODUCTORY MATHEMATICS. (9).

A systematic development of the notion of function. First the algebraic functions, including the linear function, the quadratic function, the functions of higher degree, an account of associated equations and geometric loci, the rate of change of a function, functions changing at a given rate. Then transcendental functions, including the logarithmic and exponential functions with their rates of change and associated problems. Finally the trigonometric functions and their application to the solution of triangles. *Three hours a week for the year.* Professors Lasley, Hobbs, Browne, Mackie, Winsor, Linker, Hill, Hoyle, Garner; Messrs. Cameron, Garrett.

Physics

21-22-23. GENERAL PHYSICS. (12). Prerequisite, Mathematics 1-2-3.

Part I. Mechanics of solids, liquids, and gases. Text: Foley, College Physics. *Two lecture, one discussion, and two laboratory hours a week, fall quarter. Laboratory fee, $2.75.*

Part II. Electricity and magnetism, heat. Text: see Part I. *Two lecture, one discussion, and two laboratory hours a week, winter quarter. Laboratory fee, $2.75.*

Part III. Completion of heat, sound, light. Text: see Part I. *Two lecture, one discussion, and two laboratory hours a week, spring quarter. Laboratory fee, $2.75.* Professor Fussler; Messrs. Barr, Smith; Assistants.

NOTE: All three parts must be completed in order to secure any credit.

Zoölogy

41. FUNDAMENTALS OF ANIMAL BIOLOGY. (6).

Principles of biology; elements of anatomy, physiology, and classification of vertebrate animals. Dissection of frog and dogfish and study of tissues, as necessary for an understanding of the organization and functions of vertebrate animals and especially of man. *Four lecture and four laboratory hours a week, fall or winter quarter. Laboratory fee, $5.00.* Professor Coker; Assistants.

DRUG STORE EXPERIENCE

The North Carolina Board of Pharmacy requires of candidates for license to practise pharmacy evidence of not less than forty-eight months of practical drug store experience. However, it allows the work done in the pharmaceutical laboratories to count in lieu of drug store experience, such credit to be limited to thirty-six months. Up to this limit the college work counts month for month.

SCHOLARSHIPS

The scholarships listed below, valued at $85.00 each, are awarded only to worthy and needy students of pharmacy who subscribe to the reasonable requirements laid down by the donors. Application for them must be made to the Dean of the School of Pharmacy on or before July first.

RICHARDSON SCHOLARSHIPS. Three in number. Established by Messrs. H. S. and L. Richardson, of Greensboro.

COUNCIL SCHOLARSHIPS. Two in number. Established by Mr. C. T. Council, of Durham.

THE SCOTT DRUG COMPANY SCHOLARSHIP. Established by the Scott Drug Company, of Charlotte.

THE W. H. KING DRUG COMPANY SCHOLARSHIP. Established by the W. H. King Drug Company, of Raleigh.

THE JUSTICE DRUG COMPANY SCHOLARSHIP. Established by the Justice Drug Company, of Greensboro.

THE FAIRCHILD SCHOLARSHIP. Mr. Samuel W. Fairchild, of New York City, offers annually a competitive scholarship amounting to $500.00 in cash to the high school graduates of the United States who wish to follow pharmacy as a vocation. This scholarship will be awarded on the basis of a competitive examination given to candidates who are high school graduates and who have successfully finished at least three years' work in a school or college of pharmacy which is a

member of the American Association of Colleges of Pharmacy. Each school, college, or department of pharmacy will be allowed and be limited to two candidates. Application for further information concerning this scholarship should be made to the Dean of the School of Pharmacy.

PRIZES

Lehn and Fink Gold Medal. This medal is given annually by Lehn and Fink of New York City.

The F. W. Hancock Prize. Mr. F. W. Hancock, of Oxford, offers annually a prize of a gold watch, suitably engraved, to that member of the graduating class who has achieved the highest scholastic rating.

THE UNIVERSITY OF NORTH CAROLINA BRANCH OF THE AMERICAN PHARMACEUTICAL ASSOCIATION

The University of North Carolina Branch of the American Pharmaceutical Association was organized in the fall of 1922 in response to the need of the students for a local society devoted to the scientific and ethical development of pharmacy as a profession.

RHO CHI HONORARY SOCIETY

The Xi Chapter of Rho Chi, national honorary pharmaceutical society, was established at the University of North Carolina in 1929. Charters for chapters of this organization are granted only to groups in colleges that are members in good standing of the American Association of Colleges of Pharmacy. Eligibility for membership in the Society is based on high attainment in scholarship, character, personality, and leadership. All candidates selected for membership must have completed 102.5 quarter hours or the equivalent of college work, and they must be approved by the Dean of the School of Pharmacy. The Xi Chapter has established a loan fund for deserving students of pharmacy.

FEBRUARY 20, 1936 NUMBER 302

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE ONE HUNDRED AND FORTY-SECOND SESSION

CATALOGUE OF THE SCHOOL OF LIBRARY SCIENCE

1935-1936

Announcements for the Session

1936-1937

THE UNIVERSITY OF NORTH CAROLINA PRESS
ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER
ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT
CHAPEL HILL, N. C.
UNDER THE ACT OF AUGUST 24, 1912

CATALOGUE OF EVENTS

SESSION, 1936-1937

1936

June 7-9	*Sunday through Tuesday.* Commencement Exercises.
June 11-July 22	Summer Session, First Term.
July 23-August 29	Summer Session, Second Term.
September 14-15	*Monday and Tuesday.* Examinations to remove condition grades.
September 17	*Thursday.* Registration (all except Freshmen) for the fall quarter.
September 18	*Friday.* Class work for the fall quarter begins.
October 12	*Monday.* University Day.
November 25	*Wednesday.* Thanksgiving Recess begins (1:00 p.m.).
November 30	*Monday.* Thanksgiving Recess ends (8:30 a.m.).
December 10-19	*Thursday to 1:00 p.m. Saturday of following week.* Registration for the winter quarter.
December 15-19	*Tuesday through Saturday (1:00 p.m.).* Examinations for the fall quarter.
December 19 (afternoon)-December 30	Christmas Recess.
December 31	*Thursday.* Registration of new students.

1937

January 1	*Friday.* Class work for the winter quarter begins.
January 30	*Saturday.* First term of the School of Law ends.
February 1	*Monday.* Second Term of the School of Law begins.
March 5-13	*Friday to 1:00 p.m. Saturday of following week.* Registration for the spring quarter.
March 9-13	*Tuesday through Saturday (1:00).* Examinations for the winter quarter.
March 15	*Monday.* Registration of new students.
March 16	*Tuesday.* Class work for the spring quarter begins.
April 11-18	*Sunday through Sunday.* Spring Recess.
May 31-June 4	*Monday through Friday.* Examinations for the spring quarter.
June 6-8	*Sunday through Tuesday.* Commencement Exercises.

THE SCHOOL OF LIBRARY SCIENCE

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President.*
Robert Burton House, A.M., *Dean of Administration.*
Robert Bingham Downs, M.S., *Chairman, Administrative Board, Division of Library and Library School.*
Susan Grey Akers, Ph.D., *Director.*

*THE ADMINISTRATIVE BOARD
DIVISION OF LIBRARY AND LIBRARY SCHOOL

Robert Bingham Downs, M.S., *Professor of Library Science, Chairman.*
Susan Grey Akers, Ph.D., *Professor of Library Science.*
Richmond Pugh Bond, Ph.D., *Associate Professor of English.*
Gustave Adolphus Harrer, Ph.D., *Kenan Professor of Latin.*
Sturgis Elleno Leavitt, Ph.D., *Professor of Spanish.*
William deBerniere MacNider, M.D., Sc.D., LL.D., *Kenan Research Professor of Pharmacology.*
Albert Ray Newsome, Ph.D., *Professor of History.*
Arthur E. Ruark, Ph.D., *Professor of Physics.*
Maurice Taylor Van Hecke, Ph.B., J.D., *Professor of Law.*

FACULTY

Susan Grey Akers.....*Director of the School and Professor of Library Science*

A.B. 1909, University of Kentucky; Certificate, 1913, Library School, University of Wisconsin; Ph.D., 1932, Graduate Library School, University of Chicago; Librarian, Department of Hygiene, Wellesley College, 1913-20; Cataloger, University of North Dakota, 1920-22; Instructor, 1922-26, Assistant Professor, 1926-28, Library School, University of Wisconsin; Instructor in Library Science, Louisiana State University, Summer Sessions, 1928, 1929; Instructor in Cataloging, University College, University of Chicago, 1929-30; Associate Professor, 1931-32, Acting Director and Professor, 1932-35, School of Library Science, The University of North Carolina.

Robert Bingham Downs.....*Librarian and Professor of Library Science*

A.B. 1926, The University of North Carolina; B.S. 1927, M.S. 1929, Columbia University School of Library Service; Assistant, Columbia University Library, 1926-27; Assistant, Reference Department, New York Public Library, 1927-29; Librarian, Colby College, 1929-31; Assistant Librarian and Associate Professor of Library Science, 1931-32, Acting Librarian and Associate Professor of Library Science, 1932-33, The University of North Carolina.

* The Dean of Administration, the Registrar, and the Dean of Students are *ex-officio* members of each Administrative Board.

NORA BEUST.....*Associate Professor of Library Science*

Certificate, 1913, Library School, University of Wisconsin; Certificate, 1914, Children's Library Training Course, Cleveland Public Library; A.B. 1922, University of Wisconsin; Certificate, 1927, Institute for Instructors in Library Science, University of Chicago; A.M. 1930, The University of North Carolina; Reference Librarian, Teachers College, LaCrosse, Wisconsin, 1914-16; First Assistant and Children's Librarian, 1916-20, 1922-27, Public Library, LaCrosse, Wisconsin; Instructor Library School, University of Wisconsin, 1919-20; Librarian, Education Library, The University of North Carolina, 1927-31; Assistant Professor, 1931-35, School of Library Science, The University of North Carolina.

LUCILE KELLING.....*Assistant Professor of Library Science*

A.B. 1917, Whitman College; B.L.S. 1921, New York State Library School; Librarian, Carnegie Public Library, Centralia, Washington, 1918-20; Assistant, Newark, New Jersey, Public Library, 1921-26; Acting Reference Librarian, Mills College, 1926; Instructor, Library School, Los Angeles, California, Public Library, 1926-31; Lecturer, School of Public Administration, University of Southern California, 1929-31; Instructor, School of Library Service, Columbia University, Summer Session, 1930; Acting Librarian, Hoyt Library, Kingston, Pennsylvania, 1932; Assistant, Teachers College Library, Albany, New York, 1932, 1934.

EVELYN DAY MULLEN.....*Reviser and Secretary*

A.B. 1931, Sweet Briar College; B.A. in L.S. 1932, The University of North Carolina.

GLADYS FOSTER OTTEN.....*Reviser and Secretary* (Part-time)

A.B., Certificate in Library Science, 1934, The University of North Carolina.

THE SCHOOL OF LIBRARY SCIENCE

The University of North Carolina, the first state university to open its doors in America, a member of the Association of American Universities, is located at Chapel Hill, thirty miles west of Raleigh, the capital of the State, in the beautiful Piedmont section of hills and forests. If coming to Chapel Hill by train, the student should get off at Durham (twelve miles distant) or Raleigh (thirty miles distant) and take the bus.

THE SCHOOL OF LIBRARY SCIENCE

The School of Library Science opened September, 1931. It is in the Division of Library and Library School of the University of North Carolina. It is governed by the same administration, the same board of trustees, the same laws and regulations as the remainder of the University.

Made possible by a grant from the Carnegie Corporation, the School is the culmination of a series of library science courses offered in the summer and regular terms since 1904. The growing interest in the Southeast in city and county public libraries, and the adoption of minimum standards for college and secondary school libraries by the Southern Association of Colleges and Secondary Schools have made necessary better trained library workers in this part of the country. The School is accredited by the American Library Association and the Southern Association.

PURPOSE OF THE SCHOOL

The curricula of the school offer a basic course preparing the student for general library work. Three curricula are offered, permitting the student to specialize in preparation for work in one of three fields: (1) elementary and high school libraries, (2) city and county public libraries, or (3) college and university libraries.

LIBRARY FACILITIES

Quarters for the school, comprising laboratory and classrooms for the students and offices for the faculty, are in the University Library. The library contained in November, 1935, 285,568 volumes, including 51,213 bound periodicals and transactions of learned societies, and suitable bibliographical equipment for library training. It is a depository for United States Government documents and for state documents for the Southern states. It is a regional depository for Library of Congress catalog cards. It has a complete file of John Crerar Library and Duke University Library catalog cards and partial files of the Harvard College Library, and the University of Chicago Library

catalog cards. The main building houses special libraries for the School of Commerce, the Department of Rural Social-Economics, and a special collection of North Caroliniana. Under the administration of the librarian, there are in other buildings the special libraries devoted to geology, law, engineering, pharmacy, chemistry, botany, zoölogy, and medicine. The library has in the Hanes and Hunter collections 565 incunabula, about 1,200 early and finely printed books, and 830 manuscripts. The library has just received a grant of $25,000 from the General Education Board for the purchase of research materials in certain departments.

The town school system maintains a school library and public children's library available for observation. Within driving distance of from thirty minutes to two hours are the city library system and the libraries of Duke University and its Woman's College at Durham, the State Library and the Library Commission headquarters at Raleigh, the public library and the libraries of the Woman's College of the University of North Carolina at Greensboro.

STUDENT GOVERNMENT

The student body of the university is self-governing. The functions of this government are both disciplinary and constructive. The functions are exercised by the Student Council which is elected by the student body. Student government, insofar as it is disciplinary, is based upon the honor principle. No code of rules is laid down to direct a student what to do and what not to do. The Student Council has power to suspend or dismiss a student from the University, but the final and supreme power is in the general university faculty, delegated to it by the Board of Trustees.

WITHDRAWALS

Formal withdrawal, which is prerequisite to honorable dismissal or reëntrance to this institution, must be approved by the student's Dean to be valid. Such a withdrawal will be approved only after full investigation of the circumstances and after the lapse of twenty-four hours from the time the first application is filed with the Dean. The withdrawal form after approval by the Dean must be filed promptly with the Recorder in room 8, the South Building.

If a student withdraws after the mid-term and is reported as below passing in two or more courses, that quarter will be counted as a quarter in residence in all computations of his requirements for readmission. If a student withdraws before mid-term, it will be left to the discretion of the Dean as to whether or not that quarter is to be counted as a quarter in residence. The Dean's verdict will be indicated specifically on the form used for withdrawals.

HEALTH AND RECREATION

The health of the student community is cared for by the maintenance of a properly appointed infirmary with a staff of well trained physicians and nurses. The university gymnasium and five large athletic fields provide ample facilities for exercise and recreation, all under the supervision and direction of a well organized department of physical education.

REQUIREMENTS AND RECOMMENDATIONS FOR ADMISSION

Evidence of successful vaccination against smallpox is prerequisite for the admission of students to this institution. Applicants are hereby informed that a certificate as to successful vaccination must be sent before they can be admitted.

The principal requirement for admission is a bachelor's degree from an accredited college or university, with the exception that students of any accredited college or university who can qualify as full seniors with no deficiencies whatsoever in this institution will be admitted to the curriculum for public librarians or school librarians.

A reading knowledge of French and German is essential to satisfactory work in college and university libraries and very desirable in other types of libraries. It is strongly urged, therefore, that applicants acquire such a reading knowledge before admission to the school.

Students must show reasonable ability in typewriting before admission to the school. A test in typewriting ability will be held early in the fall quarter.

Those over thirty-five years of age are advised not to apply for admission to the school unless they have been continuously engaged in library work or some similar pursuit.

Because of the special nature of many phases of library work, it is recommended that before beginning the course applicants familiarize themselves with library routines and terms, either through practice in a near-by library or by reading.

Applicants must show evidences of ability to do library work and must have had a well-balanced selection of courses leading to the required bachelor's degree.

It is recommended that applicants interview a member of the faculty of the school before admission.

Amount of equipment and size of faculty necessarily limit the enrollment. The class will be chosen on a basis of individual promise of success and previous high scholarship standing.

APPLICATION FOR ADMISSION

Application for admission to the school should be made on forms which are secured from the *Director, School of Library Science, The University of North Carolina, Chapel Hill, N. C.*

RECOMMENDED COURSES PREPARATORY TO LIBRARY WORK

It is recommended that intending students include in their curriculum toward a bachelor's degree the following minimum work: French and German to the extent of at least one year's work of college grade in each; survey courses in English and American literature; a well-rounded choice of courses in history, including general European history as well as English and American; a laboratory science, preferably biology; and general introductory courses in economics, political science, sociology, and psychology. Latin and Greek are useful, especially to those intending to be catalogers.

Those students who plan to do school library work should take as undergraduates such courses in education as will meet the minimum requirements of the Southern Association and of the state departments of education for teachers' certificates.

Students who plan to enter the school for the fourth year of their undergraduate work are urged to write to the Director of the school as early as possible regarding their proposed program of study so that it may be planned with reference to the requirements for admission to the senior class of this institution and to the School of Library Science. These requirements may be stated in general as follows: two years of college work (above the usual entrance requirement of two units) in one foreign language, preferably French or German or Latin; one year of college mathematics (the applicant may take instead a year of college Latin or Greek above the elementary courses if French or German has been chosen as the regular foreign language); freshman and sophomore English; freshman social science; two years in laboratory science, at least one being in biology; sophomore social science for a year, three hours a week; and courses in English *or* history and social sciences necessary to qualify as a teacher in one of those subjects or sufficient to serve as a minor.

TIME OF ENTRANCE

Aplicants should plan their entrance into the school at the beginning of the fall or summer quarter. Many courses have prerequisites which cannot be taken unless the curriculum is begun at this time. In special cases, however, at the discretion of the Director, students may be admitted at the beginning of either of the other quarters, provided the maximum enrollment has not been reached.

SUMMER SESSION

The courses of the regular session are repeated and all the requirements which apply in the regular session apply in the summer session.

A normal schedule of three courses will make it possible to complete the work for a degree in three summers.

ELECTIVES FOR STUDENTS IN OTHER SCHOOLS

Courses 111, 121, 151 may be taken by students of senior standing of the College of Arts and Sciences with the approval of the Director of the School of Library Science. Course 152 is open to students in the School of Commerce with the approval of its Administrative Board and of the Director of the School of Library Science.

DEGREES

On the completion of a curriculum in the School of Library Science, the University will grant to students entering with senior standing the degree of Bachelor of Arts or Bachelor of Arts in Education; to those entering with a bachelor's degree, the degree of Bachelor of Arts in Library Science.

COURSE AND RESIDENCE REQUIREMENTS, AND ADVANCED STANDING

Nine courses must be satisfactorily completed in residence in the University of North Carolina for a degree in library science. Students who are admitted with advanced standing in library science must complete in the school or in another branch of the University an equivalent number of courses approved by the Director.

The residence requirement for a degree is three academic quarters. This requirement must be completd within five years.

PLACEMENT BUREAU

The School of Library Science does not undertake to find positions for its graduates. It does, however, maintain, in coöperation with the other University bureaus, a placement bureau which endeavors to bring together its graduates and those who wish to employ library workers. With the coöperation of its graduates, suitable records will be maintained to enable them to obtain through the school the best positions available.

EXPENSES

By regulation of the Board of Trustees, a differential of one hundred dollars ($100, i.e., $33.34 each quarter) a scholastic year is charged each student not a resident of North Carolina by definition of the Board.

University Fees	*Residents of N. C.*
Tuition a quarter	$25.00
*Matriculation	14.50
Student publications	2.30
Laundry deposit	8.50
Student Union fee	1.00
Total for each quarter	$51.30

*This fee includes the fee for physical education, the library fee, the fee for infirmary service, and the fee for debates.

University fees are payable at the beginning of each quarter at the Business Office.**

Graduation Fee.—The graduation fee is $5.00, payable when application for the degree is made.

Other Expenses

Trips to visit libraries	$35.00
Printed and mimeographed lists	1.00
Textbooks and supplies, about	15.00
Total for the year	$51.00

Rooms and Board.—The cost of room and board in Spencer Hall, the woman's dormitory, for the year is $283.00 if student shares a double room, or $328.00 if student occupies a single room. Payments are as follows:

Room Rent

	Double	*Single*
September 1	$45.00	$67.50
February 1	45.00	67.50

Board

September 18 (fall quarter)	$72.50
January 1 (winter quarter)	57.50
March 16 (spring quarter)	63.00

All persons living in the woman's building are required to have meals in the dining room.

Room rent and board are paid to the *Cashier of the University.* Checks should be made payable to *The University of North Carolina.*

Women not living in their own homes are required to reside in the dormitory established as a woman's residence unless permission to live elsewhere is granted by the Adviser to Women. Such permission may be had in exceptional cases only, and by graduate students. Women intending to enter the School of Library Science should communicate with the *Adviser to Women Students, The University of North Carolina, Chapel Hill, N. C.,* about rooms.

Room rent in the men's dormitories ranges from $5.25 to $10.00 a month for each occupant, depending on the location of the room.

All dormitory rent includes light, heat, service, and furniture. Students must furnish pillows, bedding, and towels.

Rooms in town rent from $7.50 to $15.00 for a double, or $15.00 to $25.00 for a single room.

Applications for rooms in University buildings should be made to *Cashier, Business Office, The University of North Carolina, Chapel Hill, N. C.*

Board in town ranges from $20.00 to $35.00 a month.

**Any student registering later than the time appointed for his registration must pay five dollars ($5.00) as an additional fee for delayed registration.

SUMMARY OF EXPENSES

Beginning of fall quarter:

University fees	$51.30
Textbooks and supplies, about	15.00
Printed and mimeographed lists	1.00
If non-resident add	33.34

If living in University building add necessary amount for room and board.

Beginning of winter quarter:

University fees	$51.30
If non-resident add	33.34

If living in University building add necessary amount for room (due February 1st) and board.

Beginning of spring quarter:

University fees	$51.30
Trip to visit libraries	35.00
If non-resident add	33.34

If living in University building add necessary amount for board.

Due in May:

Graduation fee	$ 5.00

SCHOLARSHIP AND STUDENT LOAN FUNDS

The School of Library Science has available a few scholarships which cover the cost of tuition.

The student loan funds of the University are available to students in the School.

CURRICULA

Public Library Group.—The following courses are prescribed for those who wish to engage in city or county library work.

Fall	*Winter*	*Spring*
101 Cataloging	102 Cataloging	123 Book Selection
111 Reference	112 Reference	141 Administration
121 Book Selection	122 Book Selection	One elective
133 Introduction		

School Library Group.—The following courses are prescribed for those who wish to engage in elementary or high school library work.

Fall	*Winter*	*Spring*
101 Cataloging	102 Cataloging	123 Book Selection
111 Reference	112 Reference	141 Administration
121 Book Selection	122 Book Selection	152 The Care and Use of Library Materials (½ course)
133 Introduction		153 Library Work with Children (½ course)

College and University Library Group.—The following courses are prescribed for those who wish to work in college or university libraries.

Fall	*Winter*	*Spring*
101 Cataloging	102 Cataloging	141 Administration
111 Reference	112 Reference	151 History of Books and Libraries
121 Book Selection	124 Book Selection	One elective
133 Introduction		

Electives in Library Science:

151 History of Books and Libraries

153 Library Work with Children

152 The Care and Use of Library Materials

191 Special Problems. Credit to be determined on assignment of work.

a. Some problem of investigation associated with library work. Students with advanced standing and mature outlook.

b. Course continuing work in any special phase of Book Selection, Cataloging, or Reference in which a student or group of students is interested—seminar, laboratory, project. Different groups working under different instructors.

Electives in other departments or schools.—Those who are admitted to advanced standing and who are relieved of prescribed courses and, in certain cases, students without advanced standing (in spring quarter only), may elect with the advice of the faculty of the school from the following:

Economics 170—(Statistics)

Education 160—(Curriculum Construction)

English 163—(Literary Criticism)

English 331—(Seminar: Bibliography and Methodology)

History 201—(Historiography)

Public Administration 101—(Public Administration)

Sociology 209—(Southern Regional Social Problems)

COURSES OF INSTRUCTION

Work is valued and credited by quarter hours, one such hour being allowed for each class meeting a week for a quarter. In the following announcements of courses the numbers in parenthesis following the descriptive titles show the credits allowed in quarter hours. (One semester hour is equal to one and one-half quarter hours.)

Required Courses

101. CATALOGING AND CLASSIFICATION. (5)

This course is planned to give students the theoretical side of cataloging and classification with reference to libraries of different types, sizes, and clienteles. Its objective is to study the problems involved in decisions regarding: (1) the kinds and forms of public and official catalogs; (2) classification systems, the division of subjects, and the classifying of printed material; (3) subject headings; (4) the arrangement of books on the shelves, and of cards in the catalog; (5) bibliographical detail, including, e.g., forms of names and the use of Library of Congress printed cards and locally made catalog cards; (6) the catalog department's relation to the other departments of the library; (7) the organization and administration of the work of the department, including estimates on the cost of cataloging; and (8) the securing, organizing, and training of the staff of the department. The work will be carried on through lectures, class discussions, problems, readings, individual and group conferences. *Five hours a week, fall quarter.* Professor Akers.

102. CATALOGING AND CLASSIFICATION. (5)

This is a continuation of course 101 and deals with the actual cataloging and classification of books for libraries of differing sizes, types, and clienteles. The objectives are (1) to teach the student to classify and assign subject headings, using the classification system and sources for subject headings best adapted to the needs of his chosen community; (2) to teach the student to make and maintain a catalog and other essential cataloging records for a given community; and (3) to teach the student (a) the distinction between professional and clerical duties, (b) the character traits needful for success, (c) the necessary attention to essential detail, and (d) methods of work, in order to facilitate his transition from the work of the classroom to that of the library. The school, public, and college students will meet as one class and will have their laboratory work together, but each student will work with books suitable for his chosen clientele. The work will be carried on through class discussion, case-method, problems, projects, laboratory work, individual and group conferences. *Five class and eight laboratory hours a week, winter quarter.* Professor Akers.

111-112. REFERENCE AND BIBLIOGRAPHY. (10)

The aim of this course is to familiarize students with the principles of reference work and with the selection and use of basic bibliographical and reference books, public documents, periodicals and periodical indexes. Lectures on the historical development of various classes of bibliographic materials and practical questions involving their use are followed by individual problems and conferences. Extensive practice is given in the selection of reference and bibliographic materials for libraries of various types. Mudge, *Guide to Reference Books,* c1936, is used as a text. *Five hours a week, fall and winter quarters.* Professor Kelling.

121. PRINCIPLES OF BOOK SELECTION. (5)

The object of this course is to cultivate the ability to select the literature best adapted to the varying needs of the adult reader in different types of libraries through a study of the underlying principles and practices of approved methods. The work consists of reading, examining, and reviewing selected books from classes, such as literature, history, science, fiction, etc.; a critical study of the principal aids to book selection as tools for practical use in the library; the compiling of selected lists; practice in the writing of book notes; the checking of current book lists; discussion of American publishers; and study of editions. Lectures and discussion groups. *Five hours a week, fall quarter.* Professor Beust.

122. BOOK SELECTION FOR HIGH SCHOOL LIBRARIES. (5)

A survey of adolescent literature and a study of the reading interests of the adolescent, particularly during the high school years. A critical study of standard and classic books for the adolescent, and of reference books for this age group. Criteria for selecting books for adolescents with various reading backgrounds. *Five hours a week, winter quarter.* Professor Beust.

123. BOOK SELECTION FOR CHILDREN'S LIBRARIES. (5)

In general, the aim of the course is to acquaint the students with children's reading in order that they may understand the varying appeals that books make to children and thus learn to select books with consideration for the different age groups and differing backgrounds of children. The importance of literature made by children, children's literary tradition, classics, modern and traditional fairy tales, poetry, nursery rhymes, fables and beast tales, myths, epics and sagas, romances, ballads, subject-matter books, illustrated books, books for story-telling, and the history of children's literature are indicated. Practice in the writing of book notes, oral reports, discussions, and lectures. *Five hours a week, spring quarter.* Professor Beust.

124. BOOK SELECTION FOR COLLEGE LIBRARIES. (5)

Continuation of course 121, with emphasis on the needs of the college library. *Five hours a week, winter quarter.* Professor Beust.

133. INTRODUCTION TO LIBRARY WORK.

A series of informal lectures given throughout the year will attempt to present the profession of library work to the beginner. During the year demonstrations of library methods and systems through inspection tours, lectures, and exhibits will be offered. This course, for which no credit is given, is required of all students except those admitted to advanced standing who are especially excused. *Throughout the year.* Professor Akers and other lecturers.

141. ADMINISTRATION OF LIBRARIES. (5)

A study of the functions of public, school, and college libraries; the elements of library organization and administration and the variations necessary to special types of service; the library in the community; the interrelation of work as exemplified by the departments of a large library; finance, personnel, equipment, and buildings; and general book-buying policy. Special projects and discussions. *Five hours a week, spring quarter.* Professor Kelling.

151. HISTORY OF BOOKS AND LIBRARIES. (5)

A survey of the care of books to the present: ancient and medieval libraries; modern library systems, with emphasis on those in England and the United States; important library personalities. The development of written records from prehistoric times to the present day: the forerunners of modern books; the manuscript book; Oriental and European printing; book publishing; book-binding, collectors, etc. Lectures and discussions illustrated with

lantern slides and material from the collection of the Hanes Foundation for the Study of the Origin and Development of the Book. Problems, assigned readings, and papers. *Five hours a week, spring quarter.* Professor Downs.

152. THE CARE AND USE OF LIBRARY MATERIALS. (3)

This course includes the study of: (1) problems involved in indexing, arranging, and caring for non-book material, e.g., picture and map collections; and (2) problems involved in decisions regarding the aims of the course in the use of books and libraries, the scope, and the best methods of presentation. The work will be given through lectures, class discussion, problems, and reading. *Three hours a week, spring quarter.* Professor Akers.

153. LIBRARY WORK WITH CHILDREN. (3)

The aim of this course is to present the organization, administration, and equipment of a children's library. Special attention to problems of book buying and the relation of the children's library to other educational institutions. *Three hours a week, spring quarter.* Professor Beust.

Electives

191. SPECIAL PROBLEMS. Credit to be determined on assignment of work.

a. This course is designed to permit students with a mature outlook to engage in some problem of investigation associated with library work. Limited to students with advanced standing. *Throughout the year on application.* The faculty of the school.

b. This course continues work in any special phase of Book Selection, Cataloging, or Reference in which a student or group of students is interested —seminar or laboratory project. Different groups working under different instructors. *Throughout the year on application.* The faculty of the school

Electives From Other Departments

ECONOMICS 170. ECONOMIC STATISTICS. (5)

This course is designed to give a critical understanding of the more important processes of elementary statistical technique used by economists and business men, and found in current discussions of economic matters. Among the topics included are graphic presentation, averages, index numbers, the cyclical analysis of time series, and simple correlation. The laboratory work is designed to give practice in the use of the processes studied, together with an interpretation of the results found. *Three lecture and four laboratory hours a week, every quarter. Laboratory fee, $2.00.* Professor Ferger.

EDUCATION 160. CURRICULUM CONSTRUCTION. (5)

The construction and organization of the elementary school curriculum when based upon human needs. Includes consideration of the teacher's function in curriculum construction, objectives of the school subjects, sources of curriculum material and criteria for evaluating it, selection and organization of the pupil-activities through which the objectives may be attained. *Five hours a week, spring quarter.* Professor Trabue.

ENGLISH 163. LITERARY CRITICISM. (5)

The principles that have animated classical, romantic, and realistic literature. *Five hours a week, spring quarter.* Professor Bond.

ENGLISH 331. SEMINAR: BIBLIOGRAPHY AND METHODOLOGY. (5)

A course designed to aid students in preparing term papers, theses, and dissertations. The bibliographical guides for study of English are presented,

the problems of library research are discussed, and the standard procedures and forms of writing scholarly papers are taught. *Five hours a week, fall quarter.* Professor Paine.

HISTORY 201ab. HISTORIOGRAPHY. (5)

Lectures, conferences, readings, and reports. The first quarter will be concerned with methods of research, schools of interpretation, and the interrelation of history with the other social sciences. The second quarter will be a seminar in the history and bibliography of history. Required of all graduate students in history and government. *Three hours a week, fall and winter quarters.* Professor Caldwell.

PUBLIC ADMINISTRATION 101. Prerequisite, Bachelor's degree, or three courses in Government, History, Economics, and Sociology. (5)

General problems of public administration in the modern state. The development of administration; the principles of organization; its relation to the legislative and judicial branches of government; the processes of integration and centralization; the administrative reorganization of the United States; relation to administrative law; etc. Special problems of administration, such as personnel, the budget, administrative rules and regulations, morale, recruitment and examinations, promotion and efficiency methods, and retirement systems, will be considered. *Five hours a week, fall or spring quarter.* Professor Fesler.

SOCIOLOGY 209. SOUTHERN REGIONAL SOCIAL PROBLEMS. (5)

An extended survey of the field of regional social problems in the Southern States classified and grouped under certain sociological categories and physical backgrounds, cultural patterns, processes of social change, social incidence, individual and social differentiation, institutions and leadership, social programs, social science, and social research. Topical analysis and extensive questions supplemented with concrete data and special thorough study of given selected problems. *Five hours a week, winter quarter.* Professor Odum.

FEBRUARY 15, 1936 NUMBER 301

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE UNIVERSITY OF NORTH CAROLINA PRESS
ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER
ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT CHAPEL HILL, N. C.
UNDER THE ACT OF AUGUST 24, 1912

ANNOUNCEMENT OF THE

SUMMER SESSION

AT CHAPEL HILL, N. C.

1936

First Term: June 11th-July 22nd

Second Term: July 23rd-August 29th

CALENDAR

First Term

June 11, *Thursday*—Registration Day. (Extra fee for late registration after today.)

June 12, *Friday*—Instruction begins in all departments at 8:00. (Those registering today—or tomorrow—will be required to pay an extra fee of $2.50 for late registration.)

June 13, *Saturday*—Regular classes in all departments.

June 15, *Monday*—Those registering today or Tuesday will be required to pay an extra fee of $5.00 for late registration.

June 16, *Tuesday*—Registration for credit will not be permitted after 5:00 o'clock today, except by executive permission.

July 21-22, *Tuesday and Wednesday*—Examinations.

Second Term

July 23, *Thursday*—Registration of new students. (Extra fee for late registration after today.)

July 24, *Friday*—Instruction begins in all departments at 8:00. (Those registering today—or tomorrow—will be required to pay an extra fee of $2.50 for late registration.)

July 25, *Saturday*—Regular classes in all departments.

July 27, *Monday*—Those registering today—or Tuesday—will be required to pay an extra fee of $5.00 for late registration.)

July 28, *Tuesday*—Registration for credit will not be permitted after 5:00 o'clock today, except by executive permission.

August 1, *Saturday*—Masters' theses may not be submitted after this date.

August 8, *Saturday*—Regular classes in all departments. Written examinations for the Masters' degree may not be taken after this date.

August 22, *Saturday*—Regular classes in all departments.

August 27, *Thursday*—Class instruction ends at 6:00.

August 28-29, *Friday and Saturday*—Final examinations.

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OFFICERS OF ADMINISTRATION

THE CONSOLIDATED UNIVERSITY

Frank Porter Graham, M.A., LL.D., D.C.L., Litt.D., *President.*
Charles Thomas Woollen, *Controller.*
Edgar Wallace Knight, Ph.D., *Director of the Summer Sessions.*
William Whatley Pierson, Ph.D., *Dean of the Graduate School.*
Marion Rex Trabue, Ph.D., *Director of the Division of Education.*

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Charles Thomas Woollen, *Controller of the Consolidated University.*
Robert Burton House, A.M., *Dean of Administration.*
Livingston Bertram Rogerson, *Assistant Controller.*
Thomas James Wilson, Jr., Ph.D., *Dean of Admissions, Registrar, and Secretary of the Faculty.*
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Julius Algernon Warren, *Treasurer and Bursar.*
Matt Lee Thompson, S.B.Comm., *Auditor.*

THE COLLEGE AND THE SCHOOLS

Allan Wilson Hobbs, Ph.D., *Dean of the College of Arts and Sciences.*
William Whatley Pierson, Ph.D., *Dean of the Graduate School.*
Maurice Taylor VanHecke, J.D., *Dean of the School of Law.*
Charles Staples Mangum, A.B., M.D., *Dean of the School of Medicine.*
John Grover Beard, Ph.G., Ph.M., *Dean of the School of Pharmacy.*

WILLIAM JASPER MILLER, E.E., S.M.E.E., *Acting-Dean of the School of Engineering.*
DUDLEY DEWITT CARROLL, M.A., *Dean of the School of Commerce.*
SUSAN GREY AKERS, Ph.D., *Director of the School of Library Science.*
HOWARD WASHINGTON ODUM, Ph.D., LL.D., *Dean of the School of Public Administration.*
CORYDON PERRY SPRUILL, A.B., B.Litt. (Oxon.), *Dean of the General College.*

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THE YOUNG MEN'S CHRISTIAN ASSOCIATION

HARRY FULCHER COMER, M.A., *General Secretary.*
EDWIN SIDNEY LANIER, *Self-Help Secretary.*

GENERAL STATEMENT

In accordance with the plans that are being carried out in the consolidation of the Greater University of North Carolina, the Summer Sessions of the University at Chapel Hill, of the State College of Agriculture and Engineering at Raleigh, and of the Woman's College at Greensboro have been united into one organization. A Director for all three of the schools has been appointed. The Dean of Administration of each institution has charge of the administration. The work of the three divisions will be arranged according to function:

Regular college work of standard grade will be provided at each institution. Elementary Education will be the distinctive field of work at Greensboro; Agricultural, Vocational, and Technological training, at State College; and Undergraduate work (including Secondary Education) and Graduate work, the distinctive fields at the University at Chapel Hill.

There will be a single session of six weeks at each of the institutions, with a second term of six weeks at Chapel Hill only. The work of the three institutions is being correlated and coördinated in such a way that the students and teachers of the state may be better served than hitherto. Special effort will be made to provide in the second term at Chapel Hill work which will supplement courses taken in the first term at Greensboro or at Raleigh.

Separate announcements are issued for each of the three divisions of the Consolidated Summer Schools.

From this point on—the General Information, Announcement of courses to be offered, and Special Features given in this Announcement are for the University Summer Session at Chapel Hill. Requests for the announcement of the Woman's College Summer Session should be addressed to Dr. W. C. Jackson, Dean of Administration, Greensboro, and requests for the announcement of State College Summer Session should be addressed to Col. J. W. Harrelson, Dean of Administration, Raleigh.

STAFF OF INSTRUCTION

Members of the University's Regular Staff

RAYMOND WILLIAM ADAMS, PH.D. — ENGLISH
Associate Professor of English — Second Term

SUSAN GREY AKERS, PH.D. — LIBRARY SCIENCE
Professor of Library Science and Director of the School of Library Science — Second Term

ENGLISH BAGBY, PH.D. — EDUCATIONAL PSYCHOLOGY
Professor of Psychology — First Term

JAMES OSLER BAILEY, PH.D. — ENGLISH
Assistant Professor of English — First Term

ERNEST SCOTT BARR, A.M. — PHYSICS
Instructor in Physics — Second Term

JOHN ALFRED BARRETT, A.B. — SPANISH
Teaching Fellow in Spanish — Second Term

LINTON LOMAS BARRETT, M.A. — SPANISH
Instructor in Spanish — Second Term

ABRAM GUSTAVUS BAYROFF, PH.D. — PSYCHOLOGY
Instructor in Psychology — First Term

WILLIAM STANLEY BERNARD, A.M. — COMPARATIVE LITERATURE
Professor of Greek — First Term

EDWARD MORRIS BERNSTEIN, PH.D. — ECONOMICS
Associate Professor of Business Administration — First Term

JOHN MANNING BOOKER, PH.D. — ENGLISH
Professor of English — Second Term

RALPH WALTON BOST, PH.D. — CHEMISTRY
Associate Professor of Chemistry — First Term

MILLARD BRECKENRIDGE, PH.B., LL.B. — LAW
Professor of Law — Second Term

LEE MARSHALL BROOKS, PH.D. — SOCIOLOGY
Associate Professor of Sociology — First Term

ROY MELTON BROWN, PH.D. — PUBLIC ADMINISTRATION
Associate Professor of Public Administration — First Term

EDWARD TANKARD BROWNE, PH.D. — MATHEMATICS
Professor of Mathematics — First Term

DANIEL HOUSTON BUCHANAN, PH.D. — ECONOMICS
Professor of Economics — First Term

HENRY MATTHEW BURLAGE, PH.D. — PHARMACY
Professor of Pharmacy — First Term

WALLACE EVERETT CALDWELL, PH.D. — HISTORY
Professor of Ancient History — First Term

DUDLEY DEWITT CARROLL, M.A. — ECONOMICS
Professor of Economics and Dean of the School of Commerce — First Term

JOHN ERWIN CARROLL, JR., M.A. — FRENCH
Instructor in Romance Languages — First Term

JAMES HARMON CHADBOURN, A.B., J.D. — LAW
Assistant Professor of Law — Second Term

FREDERIC EDWARD COENEN, A.M. — GERMAN
Instructor in German — First Term

WILLIAM CHAMBERS COKER, PH.D. — BOTANY
Kenan Professor of Botany — Both Terms

OLIVER KELLY CORNWELL, M.A. — PHYSICAL EDUCATION
Professor of Physical Education — First Term

JOHN NATHANIEL COUCH, PH.D. — BOTANY
Professor of Botany — First Term

HARRY WOLVEN CRANE, PH.D. — PSYCHOLOGY
Professor of Psychology — First Term

WALTER DEVEREAUX CREECH, JR., A.M. — FRENCH
Instructor in French — Second Term

HORACE DOWNS CROCKFORD, PH.D. — CHEMISTRY
Associate Professor of Chemistry — First Term

JOHN FREDERICK DASHIELL, PH.D. — PSYCHOLOGY
Kenan Professor of Psychology — Second Term

HENRY BRONSON DEWING, PH.D. — LATIN
Visiting Professor of Latin — Second Term

JAMES TALMADGE DOBBINS, PH.D. — CHEMISTRY
Professor of Chemistry — First Term

FLOYD HARRIS EDMISTER, PH.D. — CHEMISTRY
Associate Professor of Chemistry — Second Term

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Assistant Professor of Geology — Second Term

ESTON EVERETT ERICSON, PH.D. — ENGLISH
Associate Professor of English — Both Terms

JAMES GILBERT EVANS, M.A. — ECONOMICS
Associate Professor of Economics — Second Term

PRESTON COOKE FARRAR, M.A. — EDUCATION
Associate Professor of the Teaching of English — Second Term

JAMES WILLIAM FESLER, PH.D. — POLITICAL SCIENCE
Acting-Assistant Professor of Political Science — First Term

KEENER CHAPMAN FRAZER, A.M. — POLITICAL SCIENCE
Associate Professor of Political Science — Second Term

WERNER PAUL FRIEDERICH, PH.D. — GERMAN
Instructor in German — Second Term

KARL HARTLEY FUSSLER, PH.D. — PHYSICS
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HUGO GIDUZ, A.B. — EDUCATION
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ERNEST RUTHERFORD GROVES, A.B., B.D. — SOCIOLOGY
Research Professor of Sociology — Both Terms

JOHN MINOR GWYNN, PH.D. — EDUCATION
Assistant Professor of the Teaching of Latin — First Term

FRANK WILLIAMS HANFT, A.B., S.J.D. — LAW
Associate Professor of Law — Second Term

GUSTAVE ADOLPHUS HARRER, PH.D. — LATIN
Kenan Professor of Latin — First Term

GLEN HAYDON, PH.D. — MUSIC
Professor of Music — First Term

FRANCIS CLEMENT HAYES, M.A. — SPANISH
Instructor in Spanish — First Term

HERBERT HAZELMAN, A.B. — MUSIC
Technical Assistant in the Department of Music — First Term

MILTON SYDNEY HEATH, A. M. — ECONOMICS
Associate Professor of Economics — Second Term

ARCHIBALD HENDERSON, PH.D. — MATHEMATICS
Kenan Professor of Mathematics — First Term

RICHARD JUNIUS MENDENHALL HOBBS, LL.B. — COMMERCE
Professor of Business Law — Second Term

SAMUEL HUNTINGTON HOBBS, JR., PH.D. — RURAL SOCIAL-ECONOMICS
Professor of Rural Social-Economics — Both Terms

URBAN TIGNER HOLMES, JR., PH.D. — FRENCH
Professor of French — Both Terms

ALMONTE CHARLES HOWELL, PH.D. — ENGLISH
Associate Professor of English — Second Term

VINTON ASBURY HOYLE, PH.D. — MATHEMATICS
Assistant Professor of Mathematics — Second Term

JOHN WARFIELD HUDDLE, PH.D. — GEOLOGY
Assistant Professor of Geology — Second Term

ARTHUR PALMER HUDSON, PH.D. — ENGLISH
Professor of English — Second Term

HOWARD RUSSELL HUSE, PH.D. — FRENCH
Professor of Romance Languages — First Term

MARION LEE JACOBS, M.SC. — PHARMACY
Associate Professor of Pharmaceutical Chemistry — First Term

WILLIAM SUMNER JENKINS, PH.D. — POLITICAL SCIENCE
Associate Professor of Political Science — Second Term

KATHARINE JOCHER, PH.D. — PUBLIC ADMINISTRATION
Assistant Director and Research Associate in the Institute for Research in Social Science — Second Term

CECIL JOHNSON, PH.D. — HISTORY
Assistant Professor of History — First Term

CREIGHTON CLINTON JONES, M.S. — PHYSICS
Assistant in Physics — First Term

ARTHUR MELVILLE JORDAN, PH.D. — EDUCATION
Professor of Educational Psychology — Second Term

LUCILE KELLING, B.A., B.L.S. — LIBRARY SCIENCE
Assistant Professor of Library Science — First Term

ARNOLD KIMSEY KING, A.M. — EDUCATION
Assistant Professor of the Teaching of History — Second Term

EDGAR WALLACE KNIGHT, PH.D. — EDUCATION
Kenan Professor of Education — First Term

JOHN WAYNE LASLEY, JR., PH.D. — MATHEMATICS
Professor of Pure Mathematics — Second Term

GEORGE HAROLD LAWRENCE, A.M. — PUBLIC ADMINISTRATION
Supervisor of Field Social Work — Both Terms

STURGIS ELLENO LEAVITT, PH.D. — SPANISH
Professor of Spanish — First Term

JOE BURTON LINKER, PH.D. — MATHEMATICS
Associate Professor of Mathematics — Second Term

ROBERT WHITE LINKER, PH.D. — FRENCH
Instructor in French — First Term

CHARLES EDWARD LLOYD, A.B. — GERMAN
Instructor in German — Second Term

GERALD RALEIGH MACCARTHY, PH.D. — GEOLOGY
Associate Professor of Geology — First Term

WILLIAM JOHN MCKEE, PH.D. — EDUCATION
Professor of Education in Extension Teaching — Second Term

WILLIAM ALBERT MCKNIGHT, M.A. — SPANISH
Instructor in Romance Languages — First Term

WILLIAM MILTON MCLEOD, PH.D. — FRENCH
Instructor in French — First Term

DANIEL ALLAN MACPHERSON, PH.D. — BACTERIOLOGY
Professor of Bacteriology — First Term

ERNEST LLOYD MACKIE, PH.D. — MATHEMATICS
Professor of Mathematics — First Term

EDWIN CARLYLE MARKHAM, PH.D. — CHEMISTRY
Assistant Professor of Chemistry — First Term

ROBERT DOUTHAT MEADE, PH.D. — HISTORY
Instructor in History — Second Term

ERNEST CHRISTIAN PAUL METZENTHIN, PH.D. — GERMAN
Associate Professor of German — First Term

HAROLD DIEDRICH MEYER, A.M. — SOCIOLOGY
Professor of Sociology and Supervisor of Field Work — First Term

HARRY ESTILL MOORE, M.A. — SOCIOLOGY
Teaching Fellow in Sociology — Second Term

ROY WILLIAMSON MORRISON, PH.D. — EDUCATION
Associate Professor of Education in Extension Teaching — First Term

JOHN ELDON MULDER, A.B., LL.M. — LAW
Assistant Professor of Law — First Term

HOWARD FREDERICK MUNCH, A.M. — EDUCATION
Associate Professor of the Teaching of Mathematics — First Term

ALBERT RAY NEWSOME, PH.D. — HISTORY
Professor of History — First Term

HOWARD WASHINGTON ODUM, PH.D. — SOCIOLOGY
Kenan Professor of Sociology — First Term

WILLIAM ANDERSON OLSEN, A.M. — ENGLISH
Assistant Professor of English — First Term

GREGORY LANSING PAINE, PH.D. — ENGLISH
Professor of English — First Term

EARLE EWART PEACOCK, A.B., M.B.A., C.P.A. — COMMERCE
Professor of Accounting — Second Term

CARL HAMILTON PEGG, PH.D. — HISTORY
Assistant Professor of History — First Term

WILLIAM WHATLEY PIERSON, PH.D. — HISTORY
Professor of History and Political Science and Dean of the Graduate School. — Second Term

EARLE KEITH PLYLER, PH.D. — PHYSICS
Professor of Physics — Second Term

CARLETON ESTEY PRESTON, PH.D. — EDUCATION
Associate Professor of the Teaching of Science — First Term

WILLIAM FREDERICK PROUTY, PH.D. — GEOLOGY
Professor of Stratigraphic Geology — First Term

CHARLES BASKERVILLE ROBSON, PH.D. — POLITICAL SCIENCE
Associate Professor of Political Science — First Term

CHARLES PHILLIPS RUSSELL, A.B. — ENGLISH
Associate Professor of English — First Term

HARRY KITSUN RUSSELL, PH.D. — ENGLISH
Assistant Professor of English — Second Term

JOSIAH COX RUSSELL, PH.D. — HISTORY
Assistant Professor of History — Second Term

SHIPP GILLESPIE SANDERS, A.M. — LATIN
Associate Professor of Latin — First Term

WILEY BRITTON SANDERS, PH.D. — PUBLIC ADMINISTRATION
Associate Professor of Public Administration — First Term

JAN PHILIP SCHINHAN, A.M. — MUSIC
Assistant Professor of Music — Second Term

GUSTAV THEODOR SCHWENNING, PH.D. — COMMERCE
Professor of Business Administration — First Term

SAMUEL SELDEN, A.B. — ENGLISH
Assistant Professor of English and Associate Director of the Carolina Playmakers — First Term

ROBERT BOIES SHARPE, PH.D. — ENGLISH
Assistant Professor of English — Second Term

ROBERT HOWARD SHERRILL, M.A., C.P.A. — COMMERCE
Associate Professor of Accounting — First Term

EARL ANDERSON SLOCUM, B. MUS. — MUSIC
Assistant Professor of Music — First Term

JOHN LEROY SMITH, A.M. — FRENCH
Instructor in French — Second Term

WILLIAM LAMONT SMITH, A.B. — PHYSICS
Teaching Fellow in Physics — First Term

CORYDON PERRY SPRUILL, JR., B.LITT. (OXON.) — ECONOMICS
Professor of Economics — First Term

STERLING AUBREY STOUDEMIRE, PH.D. — SPANISH
Associate Professor of Spanish — Second Term

OTTO STUHLMAN, JR., PH.D. — PHYSICS
Professor of Physics — First Term

WILLIAM FLINT THRALL, PH.D. — ENGLISH
Professor of English — First Term

BEVERLY REID THURMAN, A.M. — FRENCH
Instructor in French — Second Term

HENRY ROLAND TOTTEN, PH.D. — BOTANY
Professor of Botany — Second Term

MARION REX TRABUE, PH.D. — EDUCATION
Professor of Education and Director of Division of Education — Both Terms

HENRY McGILBERT WAGSTAFF, PH.D. — HISTORY AND POLITICAL SCIENCE
Professor of History — Second Term

WILLIAM LEON WILEY, PH.D. — FRENCH
Associate Professor of French — Second Term

FRANCIS DUDLEY WILLIAMS, A.M. — PHYSICS
Teaching Fellow in Physics — Second Term

LYLE LYNDON WILLIAMS, A.M. — ZOÖLOGY
Teaching Fellow in Zoölogy — Second Term

WILLIAM WALDO WILLIAMS, S.M. — CHEMISTRY
Teaching Fellow in Chemistry — Second Term

WILLIAM LESTER WILSON, A.M. — ENGLISH
Instructor in English — First Term

REX SHELTON WINSLOW, A.M. — ECONOMICS
Instructor in Economics — First Term

ARTHUR SIMEON WINSOR, PH.D. — MATHEMATICS
Associate Professor of Mathematics — First Term

HARRY DEMERLE WOLF, PH.D. — ECONOMICS
Professor of Economics — Second Term

EDWARD JAMES WOODHOUSE, LL.B. — POLITICAL SCIENCE
Professor of Political Science — First Term

JOHN BROOKS WOOSLEY, PH.D. — ECONOMICS
Professor of Economics — Second Term

ERICH WALTER ZIMMERMANN, PH.D. — ECONOMICS
Kenan Professor of Economics — First Term

ADOLPH EDUARD ZUCKER, PH.D. — GERMAN
Professor of German — Both Terms

Visiting Instructors

HELEN LOUISE BUTLER, A.M., B.S. IN L.S. — LIBRARY SCIENCE
Associate Professor of Librarianship, University of Denver — Both Terms

EDWARD PERRY CHURCHILL, PH.D. — ZOÖLOGY
Professor of Zoölogy, University of South Dakota — Second Term

WALTER WHEELER COOK, LL.M., LL.D. — LAW
Professor of Law, Northwestern University — First Term

EDMOND CYKLER, PH.D. — MUSIC
Head of the Department of Music, Los Angeles Junior College — Second Term

PHILIP DAVIDSON, PH.D. — HISTORY
Professor of History, Agnes Scott College — First Term

JACK STILES DENDY, A.M. — ZOÖLOGY
Professor of Biology, Brevard College — First Term

HENRY NELSON DEWICK, PH.D. — PSYCHOLOGY
Instructor in Psychology, University of Rochester — Second Term

IRENE MAY DOYLE, M.A., M.S. — LIBRARY SCIENCE
Associate Professor Library Science, George Peabody College for Teachers — First Term

ELMER H. GARINGER, PH.D. — EDUCATION
Principal of Central High School, Charlotte, N. C. — Second Term

WARNER ENSIGN GETTYS, PH.D. — SOCIOLOGY
Professor of Sociology, University of Texas — Both Terms

FLETCHER M. GREEN, PH.D. — HISTORY
Professor of History, Emory University — Second Term

CHARLES FREDERICK HARROLD, PH.D. — ENGLISH
Professor of English, Michigan State Normal College — First Term

SAMUEL GLENN HAWFIELD, A.M. — EDUCATION
Superintendent of Schools, Cabarrus County, N. C. — First Term

ARTHUR HOLLINGSHEAD, PH.D. — EDUCATION
Principal of High School, East Orange, N. J. — First Term

ARTHUR H. KENT, A.B., J.D. — LAW
Assistant General Counsel, United States Bureau of Internal Revenue — Second Term

CLYDE KEUTZER, PH.D. — MUSIC
Instructor in Theory and Chorus, Dalton Private School, New York City — Second Term

CHRISTIAN DAVID KUTSCHINSKI — MUSIC
Director of Music, North Carolina State College — First Term

CATHERINE McANDREWS, A.B. — PUPPETRY
Director, Good Teeth Council for Children — First Term

DOUGLAS BLOUNT MAGGS, J.D., S.J.D. — LAW
Professor of Law, Duke University — First Term

J. HARRIS MITCHELL — MUSIC
Instrumental Supervisor, Durham Public Schools, Durham, N. C. — First Term

RALPH S. NEWCOMB, PH.D. — EDUCATION
Oklahoma City, Oklahoma — First Term

LUCILE NIX, A.B., A.B. IN L.S. — LIBRARY SCIENCE
Supervisor of School Libraries, Lawson McGhee Library, Knoxville, Tennessee — Second Term

GUY BERRYMAN PHILLIPS, A.M. — EDUCATION
Superintendent of Schools, Greensboro, N. C. — First Term

THOMAS REED POWELL, LL.B., D.C.L. — LAW
Professor of Law, Harvard University — First Term

JOSHUA PAUL REYNOLDS, PH.D. — ZOÖLOGY
Assistant Professor of Biology, Birmingham Southern College — First Term

LESLIE SPELMAN, A.M., B. MUS., F.A.G.O. — MUSIC
Director of Department of Music, Meredith College — First Term

WILLIAM H. WEATHERSBY, PH.D. — EDUCATION
Professor of Education and Psychology, Mississippi College — Second Term

ELIZABETH WILSON — MUSIC
Violin Instructor, State School for the Blind, Raleigh, N. C. — First Term

PART I—GENERAL INFORMATION

The Summer Session: June 11-August 29

The University Summer Session at Chapel Hill will open on Thursday, June 11, 1936, and continue for twelve weeks, closing on Saturday, August 29. The session will be divided into two terms of six weeks each. The first term will begin on Thursday, June 11, and close on Wednesday, July 22. The second term will begin on Thursday, July 23, and close on Saturday, August 29.

Registration

For the purpose of relieving the unpleasant congestion and delay inevitable in a short period of personal registration, the student is given the option of registering by mail. Registration blanks and instructions may be had upon application any time after the publication of this catalogue. Address the Registrar, or call at Room No. 101 South Building. Students are urged to take advantage of this arrangement and avoid having to stand in line. At the same time they are urged to consider carefully what courses they wish to take, and to register correctly, so that later changes will not be necessary. Students who are in doubt about their courses should correspond at once with the instructors or the departments concerned.

The regular time for registration for the first term will be Thursday, June 11. All students of the Summer Session should be present and register on that day, as the regular class work will begin promptly at 8:00 on Friday morning, June 12. Moreover, there is an extra fee for delayed registration. For those registering June 12 or 13, the extra fee is $2.50. For those registering June 15 or 16, the extra fee is $5.00. Registration for credit will not be permitted in the first term after 5:00 o'clock Tuesday, June 16, nor in the second term after 5:00 o'clock Tuesday, July 28, except by executive permission. See Calendar.

Admission. Those may enter who meet the University's requirements for admission as set up in the regular catalogue; teachers holding regular state certificates; graduates of standard high schools; special mature students not applicants for degrees.

In case of those who meet the above requirements it is not necessary to make application for admission to the Summer Session in advance of registration. Those advanced students who are not seeking academic credit at the University of North Carolina will not be required to submit transcripts of their previous work.

Divisions of the Summer Session. The College Division (undergraduates), the Graduate School, and the Schools of Law and Pharmacy.

Credits. Three courses meeting five or six hours a week constitute a student's normal load in the summer session. A student in the Undergraduate Division may carry four courses, provided he has the approval of the Dean of the School in which he is registered. All courses carry degree credit in one or more schools of the University. The Summer Session course meeting five or six hours a week for six weeks carries a credit of 2½ or 3 quarter hours respectively or 1 2/3 or 2 semester hours respectively. (For certificate credit in North Carolina each such course carries credit for two semester hours; one meeting ten or twelve hours a week, four semester hours.)

Attendance. Absences are counted from the first meeting of each course. No unexcused absences are permitted in the Summer Session.

Standard of Work

The standard of work in courses given for University credit will be in all respects that of the corresponding courses as given during the regular session, as these courses are an integral part of the work of the University. It is the hope of the University that, by giving such courses, increased service may be rendered to the growing body of teachers in the state who have already completed college courses or done some work of college grade and who now desire while in service to improve themselves along both professional and cultural lines.

Courses of freshman and sophomore grade will not be credited as graduate work. Courses of junior and senior grade if numbered above 100 in the statement of courses (see Part II of this announcement), may be given such credit as is indicated in the regulations below. Definite information about the different credit that certain courses carry can be obtained at the time of registration.

Term Reports and Grades

After the close of each term reports of the standing of all students in all their studies are sent to the student. Records of all students desiring professional credits with the State Department of Education will be sent to that department immediately after the close of each term *provided record cards, furnished for this purpose, have been carefully filled out by such students and left in charge of the Associate Registrar.* The reports are based upon the following system of marking:

Grade A, Excellent
Grade B, Good
Grade C, Fair
Grade D, Barely passed
Grade F, Failed
*Grade I, Work incomplete

* The grade I indicates a deficiency in a certain portion of the work of a course. It may be converted into one of the other grades by completing within a period of twelve months such additional assignments as may be required by the instructor in the course. A grade of I not so converted becomes grade F.

A student must attain a grade of D to pass in any study. Students receiving grade F must repeat the study to receive any credit for the same.

Grades for each graduate course completed are reported to the Dean and to the Registrar. These grades are as follows:

"Passed," which represents satisfactory work.

"Failed," which represents work that is unsatisfactory for graduate credit.

No work falling below the standard represented by the grade of "Passed" is counted for graduate credit. If, in the judgment of the Graduate School, the quality of the work done by any student falls below the standard expected of graduate students, the registration of such a student will be canceled.

Degrees: When Conferred

Degrees are conferred at the annual commencement in June and at the close of the second term of the Summer Session. Degrees conferred at the close of the Summer Session are awarded without academic ceremony.

Admission to Undergraduate Courses

Applicants for admission to courses of freshman grade must satisfy the requirements for entrance as laid down in the University catalogue. These requirements comprise a total of 15 units selected from the subjects of English, foreign languages (ancient and modern), history, mathematics, science, and vocational subjects. For details the applicant is referred to the University catalogue.

Applicants for courses of advanced grade must furnish evidence of work of college grade completed at this or another institution.* Such evidence must consist of the official statement from the institution where the work was done, showing definitely the courses pursued and the amount of credit recorded. Admission to specific courses will be determined in each case by the department on the basis of previous preparation.

Application for admission to undergraduate courses should be sent in advance to the Dean of Admissions. This application should be accompanied by certificates of preparation, or official statements from other institutions that the applicant has attended, and a list of the courses the applicant desires to pursue. Blanks for this purpose will be furnished on request.

The Graduate School

The Summer Session offers excellent opportunities for carrying on advanced work in many fields of learning. Graduates of standard

* Advanced students not seeking credit in this institution are not required to submit transcripts of their former records.

colleges are admitted to the Graduate School during the summer term on precisely the same basis as in the regular session. Such students may become candidates for advanced degrees or may register as special students in such courses as they desire.

Students who wish to pursue in the Summer Session courses leading to the Master's degree should bring with them when they register a transcript of their college credits. In case the student has not had sufficient training to enable him to pursue strictly graduate courses, provision may be made in the Summer Session for the making up of such deficiency.

Beginning last summer, the Graduate School and the Departments instituted a plan of curricular reorganization. Courses will be offered in cycles, following a sequence of three years. This plan, it is thought, will facilitate securing by the student logical and evenly balanced programs of study.

No student may receive credit during any one summer quarter for more than three courses in the Graduate School.

1. *Admission.* Holders of degrees from standard colleges are admitted without examination upon presentation of their credentials. *It will save time at registration if these credentials are submitted in advance of the opening of the Summer Session.*

Admission to the Graduate School is not the same as admission to candidacy for a higher degree. For admission to candidacy for a degree a student must have been in residence in the Graduate School for one quarter or two summer terms. Action on each case is postponed until the student has progressed sufficiently to make possible the planning of his course. This does not imply any increase in the length of time necessary for the attainment of the degree. It means simply that the individual record of each student, undergraduate as well as graduate, is taken into account in determining what must be done in order to secure the degree.

2. *Regulations as to Courses.* While graduate students may register for any of the courses offered by the Summer Session Faculty, no courses will count for credit towards an advanced degree unless they are classified as graduate courses in this bulletin or in the Catalogue of the Graduate School. These courses must be selected in accordance with the rules for major and minor subjects set forth in the catalogue of the Graduate School. In general, this means that two-thirds of a candidate's work during his entire period of residence (three summers being the usual time required) must be from one department, the remaining one-third being from a closely allied minor department.

3. *Requirements for the Master's degree.* For a detailed statement of the requirements for the degrees of Master of Arts and Master of Science, the student is referred to the catalogue of the Graduate School. These rules are the same in their application to

Summer Session students as in the case of students registered for the regular sessions. Students may continue their studies during the year under the direction of the special committee in charge of their work, and may do part of the work required for their theses in this manner. In certain approved cases, also, credit not to exceed six semester hours (or nine quarter hours) may be transferred for work done in another university. Every such case is treated individually and must be approved by the Administrative Board of the Graduate School, on recommendation of the department of major study, at the time application is made for admission to candidacy for a higher degree. Students who are not admitted under these special conditions will find three full summer quarters necessary for the completion of the requirements for the Master's degree.

Work taken more than five years before the date at which the master's degree is expected may not be used to count for credit toward that degree.

A reading knowledge of at least one modern foreign language is required of candidates for the master's degree. This knowledge will be tested by a special examination given by the language department, and must be certified to before the student is admitted to candidacy for the degree.

The thesis must be written in accordance with provisions stated in the Graduate Catalogue. It may count not to exceed one course. This thesis may be handed in, and the final oral and written examinations may be taken by special arrangement during the year. (See scheduled dates on the calendar.) The Master's degree is conferred at commencement in June and at the end of the second term of the Summer Session.

4. *Requirements for the Doctor's Degree.* Prospective candidates for the degree of Doctor of Philosophy are referred to the Catalogue of the Graduate School for a detailed statement of the requirements for the degree. For purposes of convenience a summary of these requirements is presented here:

1. Admission is the same as for the master's degree.
2. A minimum of three years of graduate study, at least one of which must be at the University of North Carolina.
3. A reading knowledge of French and German.
4. A major covering adequately the field of major interest and at least twenty semester hours (or thirty quarter hours) in a minor.
5. A preliminary oral examination.
6. A written examination in the field of major interest.
7. An oral examination covering the entire field of study.
8. A dissertation.

5. *Further Information.* All students who propose to do work leading to an advanced degree should read carefully the catalogue of the Graduate School, which will be sent on application to the Dean of the Graduate School.

Reports and Professional Credits

At the close of each term regular examinations will be held, and reports will be made. These reports state definitely the courses pursued and the grades attained.

Records of all students desiring professional credit with the State Department of Education will be sent to the Director of Certification immediately after the close of each term of the Summer Session, *provided record cards, furnished for this purpose by the State Department of Education, have been carefully filled out by such students and turned in to the office of the Associate Registrar.*

Teachers' Bureau

A Teachers' Bureau is maintained by the Department of Education during the Summer Session for the benefit of teachers desiring a change in position. Many applications for teachers are received each year during the Summer Session, and many superintendents visit the University for the purpose of employing well qualified teachers. In order that the management may keep closely in touch with available teachers and be enabled thereby to render prompt service to school officials applying for teachers, all well qualified applicants in attendance are invited to register with the Teachers' Bureau. Each registrant will have the services of the Teachers' Bureau for one year beginning with the date of registration. Applicants are expected to file with the Bureau photographs and typewritten testimonials or letters of recommendation.

The Library

The University Library has occupied its new building since July, 1929. It now contains more than 285,000 volumes and 3,461 periodicals are regularly received. The building houses, aside from the general collection and reading rooms, the Rural Social Economics Library, Commerce Reading Room, and the Library School. A special room is devoted to North Carolina history. A separate room is provided for the use of students doing collateral reading in material reserved for their convenience by University instructors. One hundred study carrels are provided with the bookstacks for graduate students and faculty, to which assignment is made on application.

Graham Memorial Building

Graham Memorial Building will be open to Summer Session students for social and recreational purposes.

The Gymnasium

During the Summer Session the Gymnasium will be used for the classes in physical education and for social activities conducted under the auspices of the Y. W.-M. C. A.

The Infirmary

During the Summer Session the University Infirmary will be open for the convenience of the students in attendance. The Infirmary will be under the direction of the Physician to the Summer Session, and a Registered Nurse, who with an assistant, will be constantly in attendance. There will be no extra charge for the services of the physician or of the nurse, except in cases of prolonged and serious illness necessitating a special nurse. The Summer Session Physician will be at the Infirmary two periods a day for consultation and advice. At these hours students of the Summer Session will be given the opportunity to consult the physician about any matters pertaining to their health.

Expenses for Each Term of Six Weeks

Rooms

For Women:

In several renovated and screened residence halls.....$ 7.50
In Spencer Hall, single.....$22.50 Double..... 15.00
In Graduate Woman's Club, single.. 22.50 Double..... 15.00

For Men:

In renovated and screened Battle-Vance-Pettigrew.....$ 7.50
In Graduate Men's Club..... 15.00

For Married Couples:

In renovated and screened Graham Dormitory, per room..$15.00

Other residence halls will be opened as required.

Board

At Spencer Hall, $35.00 for each term. All residents of Spencer Hall are required to take meals in the dining room. At Men's Graduate Club the requirement will be announced later. The average cost for board in Chapel Hill cafeterias, cafes, and boarding houses should be about $6.00 per week.

Other Expenses

Registration fee for each student for each term of six weeks (including privilege of University Library and Infirmary) $12.50. Course fee for each quarter-hour credit a term of six weeks, $2.25. The average number of quarter-hour credits taken by each student is about eight, making the course fees about $18.00 a term of six weeks; but these programs with their courses vary according to the desires and needs of individual students. A laundry deposit of $6.00 is required against which a charge is made for the work done. If the amount of work done is less than the deposit, the balance is refunded, except that a minimum average charge of twenty-five cents a week will be made.

Other Dormitories

Old East Building contains 39 rooms and will accommodate 75 students.

Carr Building contains 28 rooms and will accommodate 62 students. *See under School of Law.*

Old West Building contains 39 rooms and will accommodate 75 students.

Lewis and Everett Dormitories contain 56 rooms each, and will accommodate 112 students each.

Grimes, Manly, and Ruffin Dormitories contain 45 rooms each, and will accommodate 90 students each.

During the Summer Session each of the dormitories for women will be in charge of a capable hostess who will see that the University's regulations regarding the health, comfort, and safety of the students are carried out, and who will be always ready to give the young ladies such advice and assistance as they may need. All dormitory rooms are well screened.

Housing and Rooming Bureau

The "Y" office keeps accurate information on available houses, apartments, and rooms for rent in Chapel Hill. Summer students and faculty are invited to make use of this service.

Regulations Concerning Women Students

All women students of the Summer Session under 24 years of age, except residents of the Chapel Hill community who live at home, are required to live in the University dormitories.

Wherever women students of the Summer Session reside they are under the supervision of the Adviser to Women and the hostesses, and are expected to conform to the general regulations prescribed for women students.

Reservations Must Be Made in Advance

Students desiring rooms in the University buildings must have their reservations made in advance, or the management cannot guarantee to them accommodations. Each application for a reservation should be accompanied by a check for $7.50 to cover room rent for the term. *Make all checks payable to the University of North Carolina.* Application should be made to the General Cashier prior to June 1, in order that applicants may be notified before leaving home whether or not their reservations have been made as requested.

What the Student Must Furnish

Students occupying rooms in the University dormitories must furnish their own bed-linen, pillows, towels, etc. Each student who

secures a room in one of these dormitories will be expected to bring the following articles:

1 pillow.
2 pairs pillow-cases.
2 pairs of sheets (for single bed).
2 counterpanes.
6 towels.

Books and Materials

Students of the Summer Session will be expected to provide themselves with all books and materials required for their individual use in the courses pursued. Some of the texts to be used are announced in connection with the description of the various courses. Students may procure their books before coming to Chapel Hill, or they may get them here at the University Book Exchange, at the usual market prices.

Schedule

In the Summer Session schedule the day is divided into periods as follows:

MORNING HOURS

First Period	8:00 to 9:00
Second Period	9:00 to 10:00
Third Period	10:00 to 11:00
Fourth Period	11:00 to 12:00
Fifth Period	12:00 to 1:00

AFTERNOON HOURS

First Period	2:00 to 3:00
Second Period	3:00 to 4:00
Third Period	4:00 to 5:00
Fourth Period	5:00 to 6:00

A daily schedule of recitations showing the hours and places of meeting for the various classes should be secured by each student at the time of registration.

Vesper Service

The University Summer Session recognizes the daily vesper service as the official devotional period for the campus. Vesper service will be held immediately following supper each evening, except Saturday and Sunday, on the lawn under Davie poplar, or in Memorial Hall in case of rain. This service will be of fifteen minutes length, and will consist of songs, scripture reading, and prayer. Attendance is voluntary. There will be no chapel service apart from the vesper service.

Recreation and Entertainment

In addition to the regular courses of instruction scheduled in the various departments, there will be some form of recreation and entertainment provided each week during the Summer Session. Excellent

opportunities are available for those students and faculty members who wish to play golf. In addition to the 9-hole course of the Chapel Hill Country Club, 18-hole courses are available at the Hope Valley Country Club (six miles away) and at the Hillandale Club in West Durham (ten miles away). (See Part III—SPECIAL FEATURES.)

Expenses for Each Term

Not counting the cost of such variable items of expense as board, travel, books and materials (including laboratory fees), and laundry, and excluding all other incidental and extra charges, the fixed items of expense, each term for those who live in the college dormitories are stated above.

Refund of Fees

1. Fees paid in advance for room reservation for the first term will be refunded on application up to and including June 3 but not after that date, and for the second term, up to and including July 15.
2. If for any reason, a student, after registering, finds it necessary to withdraw from the Summer Session, registration and tuition fees, on application presented within the dates specified below, will be refunded, but in strict accordance with the following regulations:
   (1) If application is made on the day of registration the amount paid, less a flat overhead charge of $2.50, will be refunded.
   (2) If application is made within a period of 4 days after class work begins, a flat overhead charge of $10.00 will be deducted from the amount paid and the remainder refunded.
   (3) After a period of 4 days from the time class work for the term begins, no refund of registration and tuition fees will be made, except in case of illness necessitating the student's withdrawal, in which case a proper adjustment will be made within a period of 10 days after class work begins, subject to executive action.
   (4) In case of a student's withdrawal from the Summer Session, proper adjustment will be made in the charges for table board, laboratory fees, and laundry fees. After necessary deductions are determined by the department concerned in each instance, appropriate refunds of any unused part of such charges or fees will be made to the student.
   (5) Extra fees paid for late registration may not be refunded for any reason except by executive action.

PART II—COURSES OFFERED

This catalogue is issued for the convenience of patrons of the Summer Session as early in the year as possible. Consequently, announcements of particular courses and instructors are not absolutely final. Furthermore, substitutions of courses may be necessary in the interest of students themselves, and, therefore, changes in the details of this catalogue may be announced later.

ASTRONOMY

s41. GENERAL ASTRONOMY. See Physics s41.

BACTERIOLOGY

s51. ELEMENTARY BACTERIOLOGY. Credit, 5 quarter hours.

First term. Professor MacPherson and Mr. Schaaf.

The fundamental principles of bacteriology are emphasized, and the student is trained in general bacteriological technique. The morphological and biological characteristics of yeasts, molds, and saprophytic bacteria are studied. The applications of bacteriology to agriculture, industry, sanitation, and disease are considered. Prerequisite, General Chemistry and one course in Biology. Hours: Lectures, 8:00 daily. Laboratory, 9:00 to 11:00 daily.

s57. COMMUNITY HYGIENE. Credit, 2½ quarter hours.

First term. Professor MacPherson.

A lecture and demonstration course designed to acquaint the general student with the sanitation of his environment, and the organization of the community for public health. History of hygiene; economics of health; bacteria and health; immunity; carriers; communicable and non-communicable diseases; relation of air, water, food, to health; community problems in mental hygiene, sex, infant and maternity welfare, and school hygiene. Hours: 11:00 daily.

BOTANY

Courses for Undergraduates

s41. GENERAL BOTANY. Credit, 6 quarter hours.

First term. Professor Couch and assistant. Laboratory fee, $4.00. Hours: Lectures, 11:00 daily and 2:00 T., Th., F. Laboratory, 3:00 to 5:00 M., T., W., Th.

An introduction to the structure and classification of plants.

s43. STRUCTURE AND CLASSIFICATION OF SEED PLANTS. Credit, 6 quarter hours.

Second term. Professor Totten and assistant. Laboratory fee, $4.00. Hours: Lectures, 11:00 daily and 2:00 F. Laboratory, 2:00 to 5:00 M., T., W., Th.

A continuation of General Botany with more advanced work in the structure and classification of seed plants. Special attention is given to the study of local flora. Prerequisite, General Botany.

Courses for Graduates and Advanced Undergraduates

s114. MORPHOLOGY AND DEVELOPMENT OF THE FUNGI. Credit, 5 quarter hours.

First term. Professor Couch. Laboratory fee, $4.00. Hours: to be arranged with the class.

A study of the morphology of the fungi, with special attention to plant diseases, to the culture and development of the lower fungi, and to the identification of mushrooms. Prerequisite, General Botany.

s122. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE LIVERWORTS. Credit, 5 or 2½ quarter hours.

First term. Professor Couch. Laboratory fee, $4.00. Hours: to be arranged with the class. Prerequisite, General Botany.

s154. ADVANCED WORK IN THE STRUCTURE AND CLASSIFICATION OF SEED PLANTS. Credit, 5 quarter hours.

Second term. Professor Totten. Laboratory fee, $4.00. Hours: to be arranged with the class.

Courses Primarily for Graduates

s254. MORPHOLOGY OF SEED PLANTS. Credit, 5 quarter hours.

Second term. Professor Totten. Laboratory fee, $4.00. Hours: to be arranged with the class.

Advanced work in the embryology and anatomy of seed plants. Conferences, reports, laboratory and field work.

s304. GRADUATE RESEARCH. Credit, 5 or 2½ quarter hours.

Each term. Professors Coker, Totten, and Couch. Laboratory fee, $4.00 a term. Hours: to be arranged with the class.

Original work with thesis under the guidance of the instructor.

CHEMISTRY

Courses for Undergraduates

s4. GENERAL DESCRIPTIVE CHEMISTRY. Credit, 6 quarter hours.

First term. Professor Markham. Laboratory fee, $4.50. Hours: Lectures, 9:00 daily (including Saturdays). Laboratory, 2:00 to 4:00 daily (including Saturdays).

An introduction to the study of the principal non-metallic and metallic elements and their compounds.

s5. GENERAL DESCRIPTIVE CHEMISTRY. Credit, 6 quarter hours.

Second term. Professor Edmister. Laboratory fee, $4.50. Hours: Lectures, 9:00 daily (including Saturdays). Laboratory, 2:00 to 4:00 daily (including Saturdays).

s31. QUALITATIVE ANALYSIS. Credit, 6 quarter hours.

First term. Professor Dobbins. Laboratory fee, $10.00. Hours: Lectures, 2:00 daily. Laboratory, 3:00 to 6:00 daily. Prerequisite, Chemistry, 1, 2, and 3, or 4 and 5.

s41. QUANTITATIVE ANALYSIS. GRAVIMETRIC. Credit, 6 quarter hours.

Second term. Professor Markham. Laboratory fee, $10.00. Hours: Lectures, 12:00 daily. Laboratory, 2:00 to 5:00 daily. Prerequisite, Chemistry 31.

s42. QUANTITATIVE ANALYSIS. VOLUMETRIC. Credit, 6 quarter hours.

First term. Professor Markham. Laboratory fee, $10.00. Hours: Lectures, 12:00 daily. Laboratory, 2:00 to 5:00 daily. Prerequisite, Chemistry 31.

s61. ORGANIC CHEMISTRY. ALIPHATIC SERIES. Credit, 6 quarter hours.

First term. Professor Bost. Laboratory fee, $10.00. Hours: Lectures, 9:00 daily (including Saturdays). Laboratory, 10:00 to 12:00 daily (including Saturdays). Prerequisite, Chemistry 31.

Courses for Graduates and Advanced Undergraduates

s143. THEORETICAL ANALYTICAL CHEMISTRY. Credit, 5 quarter hours.

First term. Professor Dobbins. Hours: Lectures, 10:00 to 12:00 daily. Prerequisite, Chemistry 31 and 42.

s162. ORGANIC CHEMISTRY. AROMATIC SERIES. Credit, 6 quarter hours.

Second term. Professor Williams. Laboratory fee, $10.00. Hours: Lectures, 9:00 daily (including Saturdays). Laboratory, 10:00 to 12:00 daily (including Saturdays). Prerequisite, Chemistry 61.

s163. QUALITATIVE ORGANIC ANALYSIS. Credit, 6 quarter hours.

First term. Professor Bost. Laboratory fee, $10.00. Hours: Lectures, 12:00 daily (including Saturdays). Laboratory, 8:00 to 10:00 daily (including Saturdays). Prerequisite, Chemistry 61 and 162.

s171. FOOD CHEMISTRY. Credit, 6 quarter hours.

Second term. Professor Williams. Laboratory fee, $10.00. Hours: Lectures, 12:00 daily (including Saturdays). Laboratory, 2:00 to 4:00 daily (including Saturdays). Prerequisite, Chemistry 42 and 61.

s182. PHYSICAL CHEMISTRY. Credit, 6 quarter hours.

First term. Professor Crockford. Laboratory fee, $7.00. Hours: Lectures, 12:00 daily (including Saturdays). Laboratory, 2:00 to 6:00 M., W., F.

s183. PHYSICAL CHEMISTRY. Credit, 5 quarter hours.

First term. Professor Crockford. Hours: Lectures, 8:00 to 10:00 daily. Prerequisite, 81 and 182.

Courses Primarily for Graduates

s241. SEMINAR IN ANALYTICAL CHEMISTRY. Credit, 3 quarter hours.

Second term. Professor Markham. Hours: Lectures, 11:00 daily (including Saturdays). Prerequisite, Chemistry 31 and 42.

s251. HISTORY OF CHEMISTRY. Credit, 2½ quarter hours.

Second term. Professor Edmister. Hour: 10:00 daily.

s341. RESEARCH IN ANALYTICAL CHEMISTRY. Credit, 5 or more quarter hours.

Both terms. First term, Professor Dobbins; second term, Professor Markham. Laboratory fee, $10.00. Hours: by arrangement.

s361. RESEARCH IN ORGANIC CHEMISTRY. Credit, 5 or more quarter hours.

First term. Professor Bost. Laboratory fee, $10.00. Hours: by arrangement.

s381. RESEARCH IN PHYSICAL CHEMISTRY. Credit, 5 or more quarter hours.

First term. Professor Crockford. Laboratory fee, $10.00. Hours: by arrangement.

ECONOMICS AND COMMERCE

Commerce

Courses for Undergraduates

s51. BUSINESS ORGANIZATION. Credit, 5 quarter hours.

First term. Professor Schwenning. Hours: 9:00 and 11:00 daily.
The forms of business organization with emphasis on the corporation.

s71. PRINCIPLES OF ACCOUNTING. Credit, 6 quarter hours.

First term. Professor Sherrill. Laboratory fee, $3.00. Hours: 2:00 to 5:00 daily (including Saturdays).
Lectures with laboratory work. Study of the theory of debit and credit record making, organization of accounts, and presentation of financial and profit and loss statements.

s72. PRINCIPLES OF ACCOUNTING. (Continued). Credit, 6 quarter hours.

Second term. Professor Peacock. Laboratory fee, $3.00. Hours: 2:00 to 5:00 daily (including Saturdays).
Lectures with laboratory work. The course consists of a thorough study of the organization of the accounting department of a business and its relation to the other departments, accounting systems, construction and analysis of accounting statements.

Course Primarily for Graduates

s207. FUNDAMENTALS OF MANAGEMENT. Credit, 2½ quarter hours.

First term. Professor Schwenning. Hours: to be arranged.

Economics

Courses for Undergraduates

s31. GENERAL ECONOMICS. Credit, 5 quarter hours, if followed by Economics s32 or 32.

First term. Mr. Winslow. Hours: 8:00 and 12:00 daily.
This course is planned to give a general understanding of the organization of our economic life and the fundamental principles underlying it.

s32. GENERAL ECONOMICS. (Continued). Credit, 5 quarter hours.

Second term. Professor Evans. Hours: 8:00 and 12:00 daily.
This is a continuation of Economics s31.

s35. ECONOMIC HISTORY. Credit, 5 quarter hours.

First term. Professor Buchanan. Hours: 9:00 and 11:00 daily.
A survey of the steps by which economic activities have evolved from primitive beginnings into the complicated capitalistic economy of today. Special emphasis on the development of the wage system, the Industrial Revolution, the expansion of markets, the ebb and flow of industrial activities, the relation of industrial development to political policy, as they have manifested themselves in England and in the United States.

s81. MONEY. Credit, 5 quarter hours, if followed by Economics s82 or 82.

First term. Professor Bernstein. Hours: 8:00 and 10:00 daily.
A general study of the principles, functions, and forms of money and credit, followed by analyses of current money and credit problems.

s82. BANKING. Credit, 5 quarter hours.

Second term. Professor Woosley. Hours: 8:00 and 10:00 daily.

This course is devoted to a study of the theory of commercial banking with particular respect to its application and development in the United States.

Courses for Graduates and Advanced Undergraduates

s131. ECONOMIC THEORY. Credit, 5 quarter hours.

First term. Professor Spruill. Hours: 8:00 and 10:00 daily.

The primary purpose of this course is the development of greater facility upon the part of the student in the use of economic theory as a tool in the solution of economic and business problems.

s161. THEORY OF INTERNATIONAL TRADE. Credit, 5 quarter hours.

First term. Professor Zimmermann. Hours: 9:00 and 11:00 daily.

In this course international trade is viewed from the standpoint of the political economist, emphasizing the social aspects. After an historical study of the past and a critical analysis of the present foreign commerce of the United States and principal competitors, an effort is made to apply to a survey of our foreign markets and of our foreign sources of supply the general principles of economic theory in so far as they pertain to international trade.

s191. AN INTRODUCTION TO THE LABOR PROBLEM. Credit, 5 quarter hours.

Second term. Professor Wolf. Hours: 8:00 and 10:00 daily.

The purpose of this course is to make an analytical survey of the modern labor problem in its major aspects.

s195. THEORIES OF ECONOMIC REFORM. Credit, 5 quarter hours.

First term. Professor Carroll. Hours: 9:00 and 11:00 daily.

A critical analysis of the leading proposals for reform in the present economic system.

s197. GOVERNMENT AND BUSINESS. Credit, 5 quarter hours.

Second term. Professor Hobbs. Hours: 9:00 and 11:00 daily.

This course deals with the control exercised by government over business operations. Emphasis is placed on legal control. Attention in some detail is given to trade regulations, public utilities, and the operation of the federal anti-trust laws.

Courses Primarily for Graduates

s235. ECONOMIC DEVELOPMENTS IN THE OCCIDENT. Credit, 2½ quarter hours.

First term. Professor Buchanan. Hours: to be arranged.

s253. ADVANCED ECONOMIC THEORY. Credit, 5 quarter hours.

Second term. Professor Heath. Hours: 8:00 and 10:00 daily.

A survey of economic theory from the standpoint of the evolution of modern industrial society.

s291. LABOR ECONOMICS. Credit, 2½ quarter hours.

Second term. Professor Wolf. Hours: to be arranged.

s351. ECONOMIC HISTORY AND THEORY. Credit, 2½ quarter hours.

Second term. Professor Heath. Hours: to be arranged.

s361. INTERNATIONAL ECONOMIC RELATIONS. Credit, 2½ quarter hours.

First term. Professor Zimmermann. Hours: to be arranged.

s382. COMMERCIAL AND CENTRAL BANKING. Credit, 2½ quarter hours.

Second term. Professor Woosley. Hours: to be arranged.

*EDUCATION

Courses for Undergraduates

s71ab. EDUCATIONAL PSYCHOLOGY. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Bagby. Second term: Professor Jordan. Hours: Lectures, 11:00 M., T., Th., F. Laboratory, 2:00 to 3:00 M. Laboratory fee, $1.00.

To consider critically such topics as the original nature of man, heredity and environment, types of learning and factors influencing learning, individual differences, mental hygiene, mental measurement is the purpose of this course.

s98ab. GENERAL METHODS IN SECONDARY EDUCATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Munch. Second term: Professor Farrar. Hour: 8:00 daily.

The first half of this course deals with the aims of high school teaching and the outcomes of learning. In the second half an evaluation of the various techniques and methods of instruction commonly used in high schools is attempted.

s99ab. PRINCIPLES OF SECONDARY EDUCATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Gwynn. Second term: Mr. Garinger. Hour: 9:00 daily.

A study of the American high school, its evolution, organization, administration, functions, and problems. Special emphasis will be laid on the public high school in North Carolina. This course is designed especially to meet the needs of those students who are looking toward teaching positions and principalships in secondary schools.

Courses for Graduates and Advanced Undergraduates

s101ab. INTRODUCTION TO SCHOOL ADMINISTRATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Mr. Phillips. Second term: Mr. Newcomb. Hour: 9:00 daily.

This course will consider the most important problems of school administration, especially as these problems bear on the success of the teacher's work. Students without teaching experience, or teachers without a knowledge of administrative problems, should not register for the more specialized courses in the field of administration until after completing this course.

s105. GUIDANCE AND ADMINISTRATION OF PUPILS. Credit, 5 quarter hours.

First term. Professor Morrison. Hours: 11:00 to 1:00 daily.

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* DEMONSTRATION SCHOOL—Through the University High School students of education will be afforded opportunities for observation and demonstration of the relation of educational theory and practice. Sons and daughters of Summer Session students will be welcomed as pupils in the Demonstration School.

A course in Hand Puppetry (see Special Features—Part III) is offered.

This course undertakes not only to acquaint the student with the extensive literature of scientific research in pupil personnel work, but also to develop through actual handling of individual records, reports, and materials as many as possible of the important skills required of the principal in the classification and promotion of pupils, in program making, in organization of pupils' activities, in student government, in athletics, etc.

s142. HISTORICAL FOUNDATIONS OF MODERN EDUCATION. Credit, 5 quarter hours.

Second term. Professor Weathersby. Hours: 11:00 to 1:00 daily.

This course traces the development of some of the more important educational problems of modern times as they have been affected by the social, economic, and political facts of history.

s152. SUPERVISION OF INSTRUCTION IN ELEMENTARY LAN GUAGE ARTS. Credit, 5 quarter hours.

First term. Mr. Hawfield. Hours: 10:00 to 12:00 daily.

Oral and written expression, spelling, penmanship, and grammar will be considered during the first half of this course. Reading and children's literature will be discussed during the second half of the course. The techniques and procedures available for improving the quality of instruction in these fields will be given primary attention.

s154. SUPERVISION OF INSTRUCTION IN THE SOCIAL STUDIES. Credit, 5 quarter hours.

Second term. Professor King. Hours: 10:00 to 12:00 daily.

The problems of supervising elementary school teachers of history, geography, and citizenship will be discussed in this course.

s155. SUPERVISION OF INSTRUCTION IN THE NATURAL SCIENCES. Credit, 5 quarter hours.

First term. Professor Preston. Hours: 10:00 to 12:00 daily.

Nature study and elementary science, including physical geography, will be considered in this course.

s161ab. PROJECT ACTIVITIES IN THE ELEMENTARY GRADES. Credit, 2½ quarter hours each term.

Through both terms. First term: Mr. Hawfield. Second term: Professor McKee. Hour: 2:00 daily.

An attempt will be made in this course to develop criteria by which children's educational activities should be evaluated, the means by which they should be tested, and the principles governing procedures in activity work.

s162. TEACHING PUPILS HOW TO STUDY. Credit, 5 quarter hours

Second term. Professor McKee. Hours: 9:00 to 11:00 daily.

The physical and environmental factors that condition effective study, the necessary preliminary preparations for study, techniques for discovering a pupil's present study habits in each subject-matter field, the evaluation and improvement of study habits, and techniques for the supervision of practice and growth in each type of study will be conducted.

s171ab. THE PSYCHOLOGY OF CHILDHOOD AND YOUTH. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor ..... Second term: Professor Jordan. Hour: 9:00 daily. Prerequisite, one course in General Psychology or Educational Psychology.

An intensive study of the physical, intellectual, and emotional changes characteristic of childhood and youth. Special emphasis is placed on the consideration of adolescent interests in their relation to instruction.

s179a. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL INSTRUMENTAL MUSIC. Credit, 2½ quarter hours.

First term. Mr. Kutschinski. Hour: 10:00 daily.

Supplementing the class instruction in band and orchestral instruments, this course is designed to give the student the necessary preparation for organizing and teaching instrumental music. Discussions and comparative study of materials and methods.

s180a. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL CHORAL MUSIC. Credit, 2½ quarter hours.

Second term. Mr. Keutzer. Hour: 10:00 daily.

The principles and practice of choral singing with a survey of music materials suitable for school, college, and church choirs.

s181. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH. Credit, 5 quarter hours.

Second term. Professor Farrar. Hours: 11:00 to 1:00 daily.

This course is designed to give practical preparation for the teaching of English in high schools. It includes consideration of the aims, courses of study, and methods found most effective in the teaching of grammar, composition (oral and written), and the different types of literature to pupils of high school age.

s183. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL FRENCH. Credit, 5 quarter hours.

First term. Professor Giduz. Hours: 11:00 to 1:00 daily.

In this course the student studies the development of modern language teaching. Particular stress is laid on present-day tendencies, more especially in connection with pronunciation, phonetics, reading, "realia," activities, texts, etc. Weekly reports on readings. Term paper.

s185. MATERIALS AND METHODS OF TEACHING THE SOCIAL STUDIES. Credit, 5 quarter hours.

Second term. Professor King and assistants. Hours: to be arranged.

The aims, functions, and objectives of the social studies will be carefully analyzed, and the history of their place in the American secondary school will be examined. Special attention will be given this summer to the materials and methods of teaching government. The Institute of Government will coöperate in the conduct of the course.

s189. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS. Credit, 5 quarter hours.

First term. Professor Munch. Hours: 11:00 to 1:00 daily.

A course designed to give those preparing to teach mathematics in high school a comprehensive view of that field. It is composed of six units as follows: history of mathematics, objectives of mathematics teaching, materials, methods, the psychology of mathematics teaching, and measuring in the field of mathematics.

s191. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE. Credit, 2½ to 5 quarter hours.

First term. Professor Preston. Hours: 8:00 to 10:00 daily.

Knowledge of science content is assumed. This course considers the objectives and curriculum position of secondary school science, the proper teaching viewpoint, and instruction techniques. Assigned readings introduce the important literature.

s194. MEASUREMENTS IN SECONDARY EDUCATION. Credit, 5 quarter hours.

First term. Professor ..... Hours: 10:00 to 12:00 daily. Prerequisite, one course in General Psychology or Educational Psychology.

A critical examination of the tests suitable for measuring the educational outcomes of the high school. Some attention will be paid to the use of tests in vocational guidance and to the measurements of character traits.

s196. THE HIGH SCHOOL PRINCIPALSHIP. Credit, 5 quarter hours.

First term. Mr. Hollingshead. Hours: 8:00 to 10:00 daily.

This course considers the duties, qualifications, and activities of the principal of a secondary school. Lectures, readings, discussions, investigations, and reports.

s197. SOCIAL POLICY AND EDUCATION. Credit, 5 quarter hours.

Second term. Professor ..... Hours: 11:00 to 1:00 daily.

Fundamental problems in the social and ethical theory of education. Lectures, prescribed readings, essays, and reports. This course deals with problems of social problems from the standpoint of education, attempts to define a social policy for education, and discusses the vital educational issues involved in that policy.

Courses Primarily for Graduates

s201ab. PROCEDURES IN EDUCATIONAL RESEARCH. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Morrison. Second term: Mr. Newcomb. Hour: 8:00 daily.

This course, for graduate students only, will be required of all candidates for higher degrees in the fields of educational administration and elementary education. Through the examination of selected examples of published research, members of the class will study the methods and techniques to be used in discovering, defining, and analyzing problems for investigation; in locating, gathering, and interpreting data; and in formulating and testing conclusions.

s203. TECHNIQUES IN EDUCATIONAL LEADERSHIP. Credit, 5 quarter hours.

First term. Mr. Phillips. Hours: 11:00 to 1:00 daily.

This course undertakes to discover and to develop skill in the techniques by which communities and their representatives may be led to work effectively for better schools. The course also deals with the problems of leading teachers, supervisors, and administrative officers into more effective professional activities. The use of school reports, public meetings, newspapers, campaigns, surveys, associations, school programs, and other devices will be studied with a view to determining the most effective procedures to use in accomplishing specific results.

s211. PROBLEMS OF INSTRUCTION AND ADMINISTRATION IN HIGHER EDUCATIONAL INSTITUTIONS. Credit, 2½ quarter hours.

First term. Members of the staff and visiting lecturers. Hours: to be arranged.

In this course an examination will be made of certain basic conceptions which underlie and bear upon higher education. Particular attention will be given to the curriculum and to problems of instruction and administration.

s272ab. PROBLEMS IN EDUCATIONAL PSYCHOLOGY. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor ..... Second term: Professor Jordan. Hours: 2:00 to 4:00 M. and W. Prerequisite, a course in General Psychology and one course in Educational Psychology.

Treats intensively of the learning process in its relation to the acquisition and retention of information, feelings, skills, and attitudes.

s299ab. PRINCIPLES OF SECONDARY EDUCATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Gwynn. Second term: Mr. Garinger. Hours: 2:00 to 4:00 T. and Th.

A systematic course for graduate students, intended primarily for those who have not had Education 99. This course will embrace a study of the American high school, its evolution, organization, administration, functions, and problems. It is designed primarily for high school principals and graduate students who are looking forward to high school principalships.

s303ab. PROBLEMS IN EDUCATIONAL ADMINISTRATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Mr. Hollingshead. Second term: Mr. Newcomb. Hours: to be arranged. Prerequisite, Education s101, or its equivalent, and one other course in educational administration.

A graduate course offering opportunity for intensive study and research on selected problems in the field of educational administration. The problems will be selected by the class each year, making it possible for the student to take this course more than once.

s341ab. FOUNDATIONS OF MODERN EDUCATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Knight. Second term: Professor Weathersby. Hours: to be arranged.

This is a research course in modern educational practices and institutions and is open only to those advanced students who have had Education 142, or Education 143, or the equivalent. Various educational agencies will be studied through investigations, reports, and conferences.

s375ab. THESIS COURSE. Credit, 2½ quarter hours each term.

Through both terms. Professor Trabue and others. Hours: to be arranged.

This is a course in which there will be taken up such work as is necessary for each student in connection with the writing of his degree thesis. It is intended for those students whose graduate major is in education, but students whose thesis topics are closely related to education are invited to attend and to take part in the discussion.

s398ab. PROBLEMS IN SECONDARY EDUCATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Gwynn. Second term: Mr. Garinger. Hours: to be arranged.

This double course is intended for advanced students and is primarily a course in investigation. To be admitted to it, a student must have pursued other courses in secondary education. At the beginning of the course each student is required to select some one problem for special investigation. A thesis will be required of each student.

NOTE: The attention of students in Education is called to Psychology s140, PSYCHOLOGY OF PERSONALITY; Sociology s175, EXTRA-CURRICULAR ACTIVITIES; and French s55, REVIEW OF GRAMMAR AND SYNTAX.

ENGLISH

Courses for Undergraduates

s3. ENGLISH COMPOSITION. Credit, 3 quarter hours.

First term. Mr. Wilson. Hour: 9:00 daily (including Saturdays).

Final quarter of freshman English. Themes, personal conferences, study of essay, directed readings.

*s21. ENGLISH LITERATURE. Credit, 5 quarter hours.

First term. Professor Bailey. Prerequisite, English 1, 2, 3. Hours: 9:00 and 11:00 daily.

Study of important, significant literary productions chronologically considered.

s22. ENGLISH LITERATURE. (Continued). Credit, 5 quarter hours.

Second term. Professor Harry Russell. Hours: 9:00 and 11:00 daily.

s44. PUBLIC SPEAKING: INTRODUCTORY COURSE. Credit, 5 quarter hours.

First term. Professor Olsen. Hours: 9:00 and 11:00 daily.

Emphasis on organization, outlines, delivery, problems of attention and persuasion; collateral readings on contemporary public problems.

s50ab. SHAKESPEARE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Thrall. Second term: Professor Harry Russell. Hour: 8:00 daily.

About twenty representative comedies, tragedies, and histories will be studied.

s53. CREATIVE WRITING. Credit, 5 quarter hours.

First term. Professor Phillips Russell. Hours: 12:00 daily, 4:00-6:00 Tuesday and Thursday.

Study of and practice in various forms of original writing.

s67a. PLAY PRODUCTION FOR TEACHERS AND DIRECTORS. Credit, 2½ quarter hours.

First term. Professor Selden. Fee for materials: $1.00. Hour: 2:00 daily.

An intensive course for teachers and directors in schools, colleges, and community theatres. The problems to be considered include the organization of dramatic groups and courses, the choice of plays, and the theory and practice of acting and directing. Students enrolled in this course will have an opportunity to take part in the preparation of The Carolina Playmakers' summer production.

s68a. STAGING METHODS FOR TEACHERS AND DIRECTORS. Credit, 2½ quarter hours.

First term. Professor Selden. Fee for materials: $2.00. Hour: 10:00 daily.

An intensive course in the planning and equipping of school, college, and community theatre stages, and in the designing, constructing, painting, and lighting of scenery. Students enrolled in this course will be expected to assist with the preparation of The Carolina Playmakers' summer production.

s82ab. AMERICAN LITERATURE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Bailey. Second term: Professor Adams. Hour: 12:00 daily.

A survey of American literature from Whitman to the present with special emphasis upon the literature of the South. The course includes a study of the local color movement, traces the rise of realism, and surveys the social novel after 1880.

s89ab. VICTORIAN LITERATURE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Harrold. Second term: Professor Booker. Hour: 10:00 daily.

First term, a survey of Late Victorian prose with special attention to Rus-

* English s21 and s22 together constitute the whole of Sophomore English as given in the regular session.

kin, Arnold, George Eliot, and George Meredith. Second term, a survey of Late Victorian poetry with special attention to Rossetti, Morris, and Swinburne.

s100a. DIRECTED READINGS. Credit, 2½ quarter hours.

First term. Professor Olsen. Hours: to be arranged.

Open to advanced students in any department who desire to read in the field of their literary interests. Special topics, oral and written reports.

Courses for Graduates and Advanced Undergraduates

s101. OLD ENGLISH: INTRODUCTORY COURSE. Credit, 5 quarter hours.

Second term. Professor Ericson. Hours: 9:00 and 11:00 daily.

A study of Old English grammar and syntax with reading of prose.

s103. CHAUCER. Credit, 5 quarter hours.

First term. Professor Ericson. Hours: 8:00 and 10:00 daily.

s105a. MEDIEVAL ROMANCE IN ENGLISH. Credit, 2½ quarter hours.

First term. Professor Thrall. Hour: 9:00 daily.

A survey of the medieval romance and romance materials in early English literature. The origin and development of the Arthurian legend. Collateral reading in early Irish and Welsh romantic literature (in translation), Malory's *Le Morte d'Arthur* and its influence on later English literature.

s110a. BACON AND HIS TIMES. Credit, 2½ quarter hours.

Second term. Professor Howell. Hour: 12:00 daily.

A study of the work of Bacon and other seventeenth century prose writers with emphasis on their educational, social, and political theories and the rise of the modern scientific method.

s113. ENGLISH DRAMA, 1500-1600. Credit, 5 quarter hours.

Second term. Professor Sharpe. Hours: 8:00 and 10:00 daily.

English Drama in the Sixteenth Century with preliminary consideration of the religious drama in Western Europe and in Medieval England.

s131b. ENGLISH LITERATURE, 1744-1798. Credit, 2½ quarter hours.

Second term. Professor Hudson. Hour: 8:00 daily.

Pre-romantic aspects of English literature of the latter half of the eighteenth century, with special attention to Collins, Gray, Cowper, Crabbe, and Burns.

s141b. ENGLISH LITERATURE, 1780-1830. Credit, 2½ quarter hours.

Second term. Professor Hudson. Hour: 9:00 daily.

The Romantic Movement, latter phase—Byron, Shelley, Keats, and their contemporaries of the younger generation of Romanticists.

s153ab. LITERATURE OF THE SOUTH. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Paine. Second term: Professor Adams. Hour: 11:00 daily.

A course in the literature of the South since 1800, with particular emphasis on the novels, local color stories, and periodicals.

Courses Primarily for Graduates

s243a. VICTORIAN LITERATURE. Credit, 2½ quarter hours.

First term. Professor Harrold. Hour: 12:00 daily.

The social and religious literature of the early Victorian writers: Carlyle and the humanitarian novelists, Tennyson, and Browning.

s320ab. SEMINAR: STUDIES IN VICTORIAN LITERATURE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Harrold. Second term: Professor Booker. Hours: 4:00-6:00 Monday and Thursday.

s331ab. BIBLIOGRAPHY AND METHODOLOGY. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Paine. Second term: Professor Howell. Hour: 10:00 daily.

A course designed to aid students in preparing term papers, theses, and dissertations. The bibliographical guides for the study of English are presented, the problems of literary research are discussed, and the standard procedures and forms in writing scholarly papers are taught.

s341ab. SPECIAL RESEARCH. Credit, 2½ or 5 quarter hours.

Through both terms. Hours: to be arranged with individual instructors.

The research under this number varies from year to year, depending upon the special interest of the graduate staff. In the first term of 1936, Professor Harrold will direct individual or group research in Victorian literature, Professor Ericson will direct individual or group studies in the field of old English and the history of the English language, Professor Paine in American literature, and Professor Thrall in Renaissance literature; in the second term, Professor Adams in American literature, Professor Howell in Seventeenth Century literature, Professor Hudson in Romanticism and the English Ballad, and Professor Sharpe in Renaissance literature.

GENERAL AND COMPARATIVE LITERATURE

s61. CLASSICAL LITERATURE. Credit, 2½ quarter hours.

First term. Professor Bernard. Hour: 12:00 daily.

A study of the masterpieces of Greek and Latin literature in English translation with special reference to the contribution of ancient civilization to modern thought.

s105a. MEDIEVAL ROMANCE IN ENGLISH. Credit, 2½ quarter hours. (See ENGLISH.)

First term. Professor Thrall. Hour: 9:00 daily.

A survey of the medieval romance and romance materials in early English literature. The origin and development of the Arthurian legend. Collateral reading in early Irish and Welsh romantic literature (in translation), Malory's *Le Morte d'Arthur* and its influence on later English literature.

s155. GREEK DRAMATIC LITERATURE. Credit, 5 quarter hours.

First term. Professor Bernard. Hours: 9:00 to 11:00 daily.

A course designed to embrace the origin, development, technique, and content of Greek drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress.

NOTE: The attention of students in Classics, English, and Romance Languages is called to GERMAN s131. HISTORY OF HUMAN SPEECH.

GEOLOGY

Courses for Undergraduates

s42 (old s12). HISTORICAL GEOLOGY. Credit, 6 quarter hours.

Second term. Professor Huddle. Laboratory fee, $3.00. Hours: Lectures, 8:00 daily (including Saturdays). Laboratory, 2:00 to 5:00 four days a week.

s48-49. SUMMER FIELD COURSE IN GEOLOGY. Credit, 10 quarter hours.

First term. Prerequisite, "Introductory Geology." A six weeks' course to be given in North Carolina and bordering states. In this course Economic, Structural and Stratigraphic Geology, and Geologic Mapping will be emphasized. Professor Prouty and assistant. For details, write the Department of Geology.

s51. INDUSTRIAL AND COMMERCIAL GEOGRAPHY. Credit, 5 quarter hours.

Second term. Professor Emory. Lectures, 9:00 daily. Ten laboratory hours to be arranged.

s57. GEOGRAPHY OF NORTH AMERICA. Credit, 5 quarter hours.

First term. Professor MacCarthy. Lectures, 11:00 daily. Ten laboratory hours to be arranged.

Courses for Graduates and Advanced Undergraduates

s141. ADVANCED WORK IN GEOLOGY AND GEOGRAPHY. Credit, 5 quarter hours.

First term. Professor MacCarthy. Hours: to be arranged.

s142. ADVANCED WORK IN GEOLOGY AND GEOGRAPHY. Credit, 5 quarter hours.

Second term. Professor Huddle and Professor Emory. Hours: to be arranged.

s191. ADVANCED FIELD WORK OR LABORATORY WORK IN GEOPHYSICS. Credit, 5 quarter hours.

First term. Professor MacCarthy. Hours: to be arranged.

Courses for Graduates

s304. SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY. Credit, 5 quarter hours.

First term. Professor MacCarthy. Hours: to be arranged.

s305. SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY. Credit, 5 quarter hours.

Second term. Professor Huddle and Professor Emory. Hours: to be arranged.

GERMAN

Courses for Undergraduates

s1. ELEMENTARY COURSE. Credit, 1 unit entrance. If followed by s2 will admit to German 11.

First term. Mr. Coenen. Hours: 8:00 and 12:00 daily.
Grammar; written and oral exercises; sight reading.

s2. ELEMENTARY COURSE. Credit, 1 unit entrance. Completion of this course admits to German 11.
Second term. Mr. Lloyd. Hours: 8:00 and 12:00 daily.
Continuation of s1.

s3. INTERMEDIATE COURSE. Credit, 5 quarter hours. If followed by s4 it forms the equivalent of German 11-12-13 of the regular session.
First term. Professor Metzenthin. Hours: 8:00 and 10:00 daily.
Review of grammar and rapid reading.

s4. INTERMEDIATE COURSE. Credit, 5 quarter hours. Admits to German 21.
Second term. Dr. Friederich. Hours: 8:00 and 10:00 daily.
Continuation of s3.

s21. INTRODUCTION TO GERMAN LITERATURE. Credit, 5 quarter hours. If followed by s22 it forms the equivalent of German 21-22-23 of the regular session.
First term: Professor Zucker. Hours: 9:00 and 12:00 daily.
German literature through the classical period.

s22. INTRODUCTION TO GERMAN LITERATURE. Credit, 5 quarter hours. With s21 it forms the equivalent of German 21-22-23.
Second term. Professor Zucker. Hours: 9:00 and 12:00 daily.
German literature of the nineteenth century.

s51. GERMAN CONVERSATION AND COMPOSITION. Credit, 5 quarter hours.
Through both terms. First term: Mr. Coenen. Second term: Mr. Lloyd. Hour: 9:00 daily.

Courses for Graduates and Advanced Undergraduates

s131. HISTORY OF HUMAN SPEECH. Credit, 2½ quarter hours.
First term. Professor Metzenthin. Hours: 4:30-6:00 Mon., Wed., Fri.
Problems and theories about the origin of speech and about "primitive" languages. Classification, development, and peculiarities of the main groups of languages, especially the Mongolian, Semitic, classical and modern European languages.

s141. LESSING AND HIS TIME. Prerequisite, German 21-22-23. Credit, 2½ quarter hours.
Second term. Dr. Friederich. Hour: 11:00 daily.

Courses Primarily for Graduates

s261. MODERN GERMAN LITERATURE. Credit, 2½ or 5 quarter hours.
Through both terms. Professor Zucker. Hour: 8:00 daily.
From Hauptmann down to the present.

s395. RESEARCH. Credit, 5 quarter hours.
Through both terms. Professor Zucker.
Research in a special field.

HISTORY

Courses for Undergraduates

s2. SOCIAL SCIENCE. Credit, 3 quarter hours.
First term. Professor Johnson. Hour: 8:00 daily (including Saturdays).
A survey of the chief factors in Western Civilization from the American and French Revolutions to the eve of the World War, designed to throw light on the institutions, ideas, and problems of the present.

s3. SOCIAL SCIENCE. Credit, 3 quarter hours.

Second term. Mr. Meade. Hour: 8:00 daily (including Saturdays).

A continuation of s2, Social Science, concerned with the more important institutions, problems, and ideals of contemporary life.

s47. HISTORY OF THE UNITED STATES TO 1860. Credit, 5 quarter hours.

First term. Professor Johnson. Hours: 10:00 to 12:00 daily.

A general survey of the history of the United States from the beginning to the Civil War. Lectures, textbook, and readings.

s48. HISTORY OF THE UNITED STATES SINCE 1860. Credit, 5 quarter hours.

Second term. Mr. Meade. Hours: 10:00 to 12:00 daily.

A general survey of the history of the United States since 1860. Lectures, textbook, and readings.

Courses for Graduates and Advanced Undergraduates

s101d. PERIOD STUDIES IN GREEK HISTORY. Credit, 2½ quarter hours.

First term. Professor Caldwell. Hour: 9:00 daily.

A study of the sources, literature, and history of the Fourth Century, B.C., with special attention to economic conditions.

s102d. PERIOD STUDIES IN ROMAN HISTORY. Credit, 2½ quarter hours.

First term. Professor Caldwell. Hour: 8:00 daily.

A study of the sources, literature, and history of the age of the Flavians and Antonines.

s122a. SOCIAL-ECONOMIC HISTORY OF THE MIDDLE AGES, 500-1100. Credit, 2½ quarter hours.

Second term. Professor Russell. Hour: 8:00 daily.

A study of the social and economic life of the clergy, nobility, city folk, and peasantry during the period.

s122b. SOCIAL-ECONOMIC HISTORY OF THE MIDDLE AGES, 1100-1400. Credit, 2½ quarter hours.

Second term. Professor Russell. Hour: 9:00 daily.

A study of the social and economic life of the clergy, nobility, city folk, and peasantry during the period.

s133. THE FRENCH REVOLUTION. Credit, 5 quarter hours.

First term. Professor Pegg. Hours: 11:00 to 1:00 daily.

This course is concerned with the Enlightenment, its ideals, and the age of the French Revolution.

s137. ENGLAND IN THE NINETEENTH CENTURY. Credit, 5 quarter hours.

Second term. Professor Wagstaff. Hours: 11:00 to 1:00 daily.

This course develops England's national and imperial story from 1815 to 1915, its international relations, and its contributions to the history of the age.

s149. THE AMERICAN COLONIES, 1606-1689. Credit, 5 quarter hours.

First term. Professor Davidson. Hours: 11:00 to 1:00 daily.

A survey of European backgrounds and a study of the founding of England's continental colonies; their political, social, and economic development; and their relations to each other and to the British Empire.

s151a. THE CONFEDERATION AND THE CONSTITUTION, 1783-1789. Credit, 2½ quarter hours.

First term. Professor Newsome. Hour: 9:00 daily.

An intensive study of the history of the United States under the Articles of Confederation and of the framing and ratification of the Federal Constitution.

s154. THE RECONSTRUCTION PERIOD. Credit, 5 quarter hours.

Second term. Professor Green. Hours: 8:00 to 10:00 daily.

A course dealing with the constitutional, political, social, and economic aspects of the United States from the close of the Civil War in 1865 to the restoration of home rule in the South in 1877.

s155. RECENT AMERICAN HISTORY, 1876-1898. Credit, 5 quarter hours.

Second term. Professor Pierson. Hours: 10:00 to 12:00 daily.

An intensive study of the history of the United States from the close of Reconstruction through the Spanish-American war.

s162a. NORTH CAROLINA, 1789-1861. Credit, 2½ quarter hours.

First term. Professor Newsome. Hour: 8:00 daily.

A survey of political, economic, social, and cultural development in North Carolina from its entrance into the Federal Union until its secession in 1861.

Courses Primarily for Graduates

s201a. HISTORIOGRAPHY. Credit, 2½ quarter hours.

First term. Professor Caldwell. Hours: to be arranged.

A study of methods of research and the schools of historical interpretation.

s201b. AMERICAN HISTORIOGRAPHY. Credit, 2½ quarter hours.

Second term. Professor Green. Hours: to be arranged.

A study of the history and bibliography of American history.

s220a. PRELIMINARIES OF THE AMERICAN REVOLUTION. Credit, 2½ quarter hours.

First term. Professor Davidson. Hour: 10:00 daily.

A study of the background and causes of the American Revolution.

s311. SEMINAR IN MEDIEVAL EUROPEAN HISTORY. Credit, 2½ quarter hours.

Second term. Professor Russell. Hours: to be arranged.

s321. SEMINAR IN MODERN EUROPEAN HISTORY. Credit, 2½ quarter hours.

First term. Professor Pegg. Hours: to be arranged.

s331. SEMINAR IN AMERICAN HISTORY. Credit, 2½ quarter hours.

Second term. Professor Pierson. Hours: to be arranged.

s333. SEMINAR IN U. S. HISTORY, 1783-1860. Credit, 2½ quarter hours.

First term. Professor Newsome. Hours: to be arranged.

LATIN

Courses for Undergraduates

s55. VERGIL. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 11:00 daily.

The course will deal with the material used in the High School, and is intended to afford opportunity for review and for a study of the structure and meaning of the *Aeneid* as a whole.

NOTE: The Department is prepared to offer a course, or courses, in Freshman and Sophomore Latin if there is sufficient demand.

Courses for Graduates and Advanced Undergraduates

s102. ROMAN DRAMATIC LITERATURE. Credit, 2½ quarter hours.

Second term. Professor Dewing. Hour: 8:00 daily.

A study of the development of Roman comedy and tragedy. Readings from selected plays.

s105. THE ROMAN NOVEL. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 8:00 daily.

The history of the Roman novel, with special emphasis on the work of Petronius and Apuleius.

s153. CAESAR. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 12:00 daily.

The course will deal with readings from Caesar's Gallic and Civil Wars, and with the politics and history of the period.

Courses Primarily for Graduates

s203. LATIN PALAEOGRAPHY. Credit, 2½ quarter hours.

First term. Professor Harrer. Hour: 9:00 daily.

The course will be largely concerned with a study of the Roman and Mediaeval forms of writing by which the works of Roman authors have been transmitted.

s209. ROMAN EPISTOLARY LITERATURE. Credit, 2½ quarter hours.

Second term. Professor Dewing. Hour: 11:00 daily.

Readings from the published letters of leading Romans, Cicero, Seneca, Pliny, and study of the letter as a literary form.

s301. LATIN SEMINAR. Credit, 2½ quarter hours.

First term. Professor Harrer. Hour: 10:00 daily.

The course is designed for students working for an advanced degree. Its subject will be the critical study of an author, or of a literary type, e.g., Cicero.

s303. LATIN SEMINAR. Credit, 2½ quarter hours.

Second term. Professor Dewing. Hour: 9:00 daily.

The course is designed for students working for an advanced degree. Its subject will be the critical study of an author; e.g., Tacitus, or Juvenal.

s310. THESIS COURSE. Credit, 2½ quarter hours.

First term. Professor Harrer. By appointment.

Work on special topics, and with individual conferences. The work carries credit only in connection with the completed thesis.

NOTE: Courses in Ancient History regularly make an approved minor for an advanced degree in Latin, and may, by permission, be counted as part of the major. See, under History, Nos. 101d, and 102d.

SCHOOL OF LAW

CONSTITUTIONAL LAW. Credit, 2½ semester hours.
First term. Professor Powell. Hour: to be arranged.

CONFLICT OF LAWS. Credit, 2½ semester hours.
First term. Professor Cook. Hour: to be arranged.

TORTS. Credit, 2½ semester hours.
First term. Professor Maggs. Hour: to be arranged.

CONTRACTS. Credit, 2½ semester hours.
First term. Professor Mulder. Hour: to be arranged.

TAXATION. Credit, 2½ semester hours.
Second term. Professor Kent. Hour: to be arranged.

FEDERAL PROCEDURE. Credit, 2½ semester hours.
Second term. Professor Chadbourn. Hour: to be arranged.

AGENCY. Credit, 2½ semester hours.
Second term. Professor Breckenridge. Hour: to be arranged.

DOMESTIC RELATIONS. Credit, 2½ semester hours.
Second term. Professor Hanft. Hour: to be arranged.

The first two courses named each term are for advanced students; the second two are primarily for beginning students. The latter statement is wholly true of Contracts and Torts during the first term.

Separate credit may be obtained for the work of each term. Credit for two and one-half semester hours will be given for each subject completed each term. All classes meet daily, from Monday to Friday, inclusive, for one hour and twenty minute periods each. Two courses constitute the maximum load for which a student may register. Attendance throughout the entire Summer Session enables the successful student to obtain credit equivalent to one-third of a regular year's work.

Requirements for Admission. For students beginning the study of law, the completion of the first three years of work required for an academic degree in an accredited college. For advanced students, good standing at a member school of the Association of American Law Schools.

Fees. Residents of North Carolina, $40.00 for one term, $75.00 for both terms; non-residents, $55.00 for one term, $100.00 for both terms. Room rent in Carr Building, reserved exclusively for the use of law students, is $15.00 for each occupant of a double room, for each term of the Summer Session.

The School of Law of the University of North Carolina is approved by the American Bar Association, and is a member of the Association of American Law Schools.

LIBRARY SCIENCE

s101ab. CATALOGING AND CLASSIFICATION. Credit, 2½ or 5 quarter hours.

Both terms. First term: Professor Doyle. Second term: Professor Akers. Hour: 8:00 daily.

s102ab. CATALOGING AND CLASSIFICATION. Credit, 2½ or 5 quarter hours.

Both terms. First term: Professor Doyle. Second term: Professor Akers. Hour: 11:00 daily.

s111ab. REFERENCE AND BIBLIOGRAPHY. Credit, 2½ or 5 quarter hours.

Both terms. First term: Professor Kelling. Second term: Miss Nix. Hour: 10:00 daily.

s112ab. REFERENCE AND BIBLIOGRAPHY. Credit, 2½ or 5 quarter hours.

Both terms. First term: Professor Kelling. Second term: Miss Nix. Hour: 9:00 daily.

s121ab. PRINCIPLES OF BOOK SELECTION. Credit, 2½ or 5 quarter hours.

Both terms. Miss Butler. Hour: 9:00 daily.

s122ab. BOOK SELECTION FOR HIGH SCHOOL LIBRARIES. Credit, 2½ or 5 quarter hours.

Both terms. Miss Butler. Hour: 8:00 daily.

s124ab. BOOK SELECTION FOR COLLEGE LIBRARIES. Credit, 2½ or 5 quarter hours.

Both terms. Miss Butler. Hour: 12:00 daily.

MATHEMATICS

Courses for Undergraduates

s1. COLLEGE ALGEBRA. Credit, 5 quarter hours.
First term. Professor Winsor. Hours: 10:00 and 12:00 daily.

s2. PLANE TRIGONOMETRY. Credit, 5 quarter hours.
Second term. Professor Linker. Hours: 10:00 and 12:00 daily.

s13. ANALYTIC GEOMETRY. Credit, 5 quarter hours.
First term. Professor Mackie. Hours: 9:00 and 11:00 daily.

s24. DIFFERENTIAL CALCULUS. Credit, 5 quarter hours.
First term. Professor Browne. Hours: 9:00 and 11:00 daily.

s25. INTEGRAL CALCULUS. Credit, 5 quarter hours.
Second term. Professor Hoyle. Hours: 9:00 and 11:00 daily.

Courses for Graduates and Advanced Undergraduates

s104. INTRODUCTION TO ADVANCED ALGEBRA. Credit, 2½ quarter hours.

First term. Professor Winsor. Hour: 9:00 daily.

s141. DIFFERENTIAL EQUATIONS. Credit, 5 quarter hours.

Through both terms. First term: Professor Henderson. Second term: Professor Linker. Hour: 9:00 daily.

A study of differential equations and their applications to selected problems in both pure and applied mathematics.

s151. PROJECTIVE HOMOGENEOUS COÖRDINATES AND THEIR APPLICATIONS. Credit, 5 quarter hours.

Second term. Professor Lasley. Hours: 9:00 and 11:00 daily.

A study of the general homogeneous coördinates of forms of one, two, three, and four dimensions; cross ratio and its properties; ideal elements; duality; projective correspondence; transformation of coördinates; the elements of line geometry.

s161. ANALYTIC GEOMETRY OF SPACE. Credit, 5 quarter hours.

First term. Professor Henderson. Hours: 8:00 and 10:00 daily.

Quadric surfaces, quadriplanar and tetrahedral coördinates, space curves, curvature, etc.

s171. ADVANCED CALCULUS. Credit, 5 quarter hours.

Through both terms. First term: Professor Mackie. Second term: Professor Hoyle. Hour: 12:00 daily.

This course furnishes a background for the further study of analysis. Its chief purpose is rigor in demonstration.

Courses Primarily for Graduates

s236. HIGHER PLANE CURVES. Credit, 2½ quarter hours.

Second term. Professor Lasley. Hour: 12:00 daily.

s246. MODERN HIGHER ALGEBRA. Credit, 2½ quarter hours.

First term. Professor Browne. Hour: 12:00 daily.

Polynomials and their fundamental properties, determinants, theory of linear dependence, linear equations, matrices, invariants, bilinear and quadratic forms.

MUSIC

Courses for Undergraduates

s4. MUSICAL NOTATION, SIGHT-SINGING, AND DICTATION. Credit, 3 quarter hours.

Each term. First term: Professor Slocum and assistant. Second term: Mr. Keutzer and assistant. Hours: 8:00 and 1 additional hour daily to be arranged.

A course in the rudiments of musical notation with practice in reading and writing scales, intervals, melodies, and elementary harmonic materials. No prerequisite or previous training is necessary, but previous musical experience will obviously be of great value to the student. Ten hours a week distributed on the basis of two hours lecture and eight hours laboratory practice.

*s5. MUSICAL NOTATION, SIGHT-SINGING, AND DICTATION. Credit, 3 quarter hours.

Second term. Mr. Keutzer. Hours: 8:00 and 1 additional hour daily to be arranged.

Continuation of s4.

s14. HARMONY. Credit, 2½ quarter hours.

Each term. First term: Professor Haydon. Second term: Professor Schinhan. Hour: 9:00 daily, Prerequisite, Music s4. Students who do not have the prerequisite may take it concurrently.

s15. HARMONY. Credit, 2½ quarter hours.

Second term. Professor Schinhan. Hour: 2:00 daily.

Continuation of s14.

s24. HISTORY OF MUSIC. Credit, 2½ quarter hours.

Second term. Professor Cykler. Hour: 11:00 daily.

A course in the general history of music from primitive music to 1700. Lectures, assigned readings, with musical illustrations.

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* This course will be given if the demand warrants.

*s25. HISTORY OF MUSIC. Credit, 2½ quarter hours.

Second term. Music s24 is not prerequisite.

A course in the general history of music from Bach to Beethoven.

s26. HISTORY OF MUSIC. Credit, 2½ quarter hours.

First term. Professor Haydon. Hour: 12:00 daily. Music s25 is not prerequisite.

A course in the general history and appreciation of music from Beethoven to the present.

*s44. ADVANCED HARMONY. Credit, 2½ quarter hours.

Each term.

s54. MUSIC AS A LITERATURE. Credit, 3 quarter hours.

Second term. Professor Cykler. Hour: 12:00 daily and other hours to be arranged.

A course designed to direct the understanding, feeling, and taste of the music lover to the end of intelligent listening to music. Lectures and readings with abundant musical illustrations. The departmental library of records will be available to students for further study of the works discussed in class. A moderate degree of musical experience will be helpful but is not necessary. Intended for students whose major is not music. Will not be accepted as part of the major.

s71. INSTRUMENTATION, ELEMENTARY ORCHESTRATION, AND CONDUCTING. Credit, 3 quarter hours.

First term. Professor Slocum. Hour: 9:00 daily (including Saturdays).

A course in the study of the principles and practice of instrumentation, elementary score reading, and conducting.

s74. ANALYSIS AND COMPOSITION IN THE SMALLER FORMS. Credit, 3 quarter hours.

Second term. Professor Schinhan. Hour: 8:00 daily (including Saturdays).

APPLIED MUSIC

Individual Instruction

The courses in Applied Music are open to students in any department of the University. The work in these courses is regarded not merely as technical training in performance but also as a study of musical literature. A course in Applied Music normally extends through three quarters, and credit will not be given except on completion of an entire course.

The following regulations govern individual instruction in Applied Music: *Fees.* $12.00 a term for one lesson a week; $18.00 a term for two lessons a week. Practice rooms and periods are assigned at the Music Department office. Fee for one hour daily practice period—$2.00 a term; fee for two hours daily practice period—$3.00 a term; fee for six hours practice a week on Reuter four manual organ—$8.00 each term. Other rates in proportion. All fees for Applied Music and practice must be paid at the Office of the Department of Music.

sA, sB, sC, sD, sE to s81A, s81B, s81C, s81D, s81E. Individual instruction in organ, piano, voice, violin, and other band and orchestral instruments. Hours by arrangement.

sA. PREPARATORY ORGAN.

* This course will be given if the demand warrants.

s1A. FIRST YEAR ORGAN.
s21A. SECOND YEAR ORGAN.
s51A. THIRD YEAR ORGAN.
s81A. FOURTH YEAR ORGAN.
Similar numbering applies to each of the courses B, C. D, and E.
sB. PIANO.
sC. VOICE.
sD. VIOLIN.
sE. OTHER BAND AND ORCHESTRAL INSTRUMENTS.

Class Instruction

During the first term of the Summer Session, in connection with the All-State High School Band and Orchestra Music course,* class instruction in all band and orchestral instruments will be offered. These courses are designed principally for teachers having to do with the organization and directing of high school bands and orchestras. Instruments may be rented at a nominal fee, but teachers are urged to bring their own instruments if possible.

sF. ANY BAND OR ORCHESTRAL INSTRUMENT.

First term. Professor Slocum, Mr. Kutschinski, Mr. Mitchell, Miss Wilson, Mr. Hazelman. Hours: to be arranged.

sJ. CHORUS. No credit.

Second term. Mr. Keutzer. Hour: 5:00 daily.

This course is open to all students of the Summer Session interested in singing the standard literature for mixed chorus.

Courses for Graduates and Advanced Undergraduates

The work in the summer terms is planned so that a properly prepared graduate student can complete the requirements for the A.M. degree in three summers of two terms each.

s101. MUSICOLOGY. Credit, 2½ quarter hours.

First term. Professor Haydon. Hour: 11:00 daily.

This part of the general course in Musicology—which is a study of the problems and methods in the various fields, historical and systematic, of musical research—is devoted to the study of musical acoustics, and the psychology of music.

**s124. STUDIES IN THE HISTORY OF MUSIC. Credit, 2½ quarter hours.

First term. Prerequisite, a general course in the History of Music and some knowledge of music theory.

A critical study of certain composers or periods of musical development.

**s125. STUDIES IN THE HISTORY OF MUSIC. Credit, 2½ quarter hours.

Second term.

Courses Primarily for Graduates

s201. SPECIAL STUDIES. Credit and hours to be arranged.

Both terms. First term: Professor Haydon. Second term: Professor Cykler.

NOTE: The attention of students in Music is called to the course, Education s179a, MATERIALS AND METHODS OF TEACHING HIGH SCHOOL INSTRUMENTAL MUSIC, and Education s180a. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL CHORAL MUSIC.

* See Special Announcements.
** This course will be given if the demand warrants.

SCHOOL OF PHARMACY

The School of Pharmacy offers during the first term only the courses described below. It should be understood, however, that in the plan of such offerings the School operates upon a basis different from that obtaining in other divisions of the Summer School. Two differences are outstanding: 1. Instead of charging a composite fee the School makes a fixed charge for each course offered. The total cost of each such course is indicated in the descriptions below. 2. A minimum of five students must register for any one of the courses. If fewer than this number apply the course will not be given.

Any student registered in the School of Pharmacy who desires to take any service course offered in the regular Summer School may do so, provided such addition will not constitute an over-loaded schedule, and provided such student pays the sum of $2.25 for each quarter credit hour such a service course carrics. If the service course involves a laboratory fee, such fee is an additional cost.

It is recommended that students interested in taking any courses in pharmacy write in advance to the Dean of the School of Pharmacy stating *all* subjects which they would like to pursue.

s10. PHARMACEUTICAL MATHEMATICS. Credit, 3 quarter hours.

A course that relates arithmetic and mathematics to the special problems arising in dispensing and merchandising calculations involved in pharmaceutical practice. Six lectures a week. Textbook: *Sturmer's Pharmaceutical Arithmetic.* Professor Jacobs. Tuition: $25.00.

s11. PHARMACEUTICAL TECHNIQUE. Credit, 5 quarter hours.

The lectures deal with the theory and practice of pharmacy. The laboratory work is designed to train the student in the fundamental manipulations involved in the simpler practices. Six lecture and eight laboratory hours a week. Textbooks: *U. S. Pharmacopoeia*; *National Formulary.* Professor Burlage. Tuition: $40.00. Laboratory fee: $4.00.

s13. PHARMACEUTICAL TECHNIQUE AND PREPARATIONS. Credit, 3 quarter hours.

A continuation of Pharmacy s11 dealing with the more advanced theories and manipulations of pharmacy. Simple galenical preparations are studied and prepared. Four lecture and four laboratory hours a week. Textbooks: Same as Pharmacy s11. Professor Burlage. Tuition: $25.00. Laboratory fee: $4.00.

One or the other but not both of the two following courses will be offered depending upon which is found to be in greater demand upon the part of the applicants.

s21. GALENICAL PHARMACY. Prerequisite, Pharmacy 10, 11, 12. Credit, 5 quarter hours.

The official galenicals are studied in the lectures. The laboratory work consists of the preparation of the more important types of official preparations. Six lecture and eight laboratory hours a week. Textbooks: *United States Pharmacopoeia; National Formulary.* Professor Burlage. Tuition: $40.00. Laboratory fee: $8.00.

s22. INORGANIC PHARMACY. Prerequisite, Chemistry 31. Credit, 5 quarter hours.

Official inorganic compounds are studied. The laboratory work deals with the compounds and preparations involving chemical reactions. Six lecture and eight laboratory hours a week. Textbooks: Same as Pharmacy s11, also *New and Non-Official Remedies.* Professor Burlage. Tuition: $40.00. Laboratory fee: $4.00.

PHYSICAL EDUCATION

s151. PRINCIPLES OF PHYSICAL EDUCATION. Credit, 2½ quarter hours if lectures only are taken; 5 quarter hours if both lectures and laboratory work are taken.

First term. Professor Cornwell and assistants. Hours: 9:00, and afternoon hours to be arranged.

A study is made in this course of the bases for physical education in the present organization of society; the relations of physical education to general education; standards for judging physical education practice; and the psychological, sociological, and hygienic guides to be used in the selection of materials and methods in physical education.

Laboratory work for two hours each afternoon will be available in connection with this course.

s152. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. Credit, 2½ quarter hours if lectures only are taken; 5 quarter hours if both lectures and laboratory work are taken.

First term. Professor Cornwell and assistants. Hours: 10:00, and afternoon hours to be arranged.

This course deals with problems and procedures in physical education, including the classification of students, organization of program, class schedules, teaching load, equipment, records, administration of gymnasium, and the like.

Laboratory work for two hours each afternoon.

PHYSICS

Courses for Undergraduates

*s24. GENERAL PHYSICS. PART I. Credit, 6 quarter hours.

First term. Mr. Jones and Mr. Smith. Laboratory fee, $4.00. Hours: Lectures, 8:00 to 10:00 daily. Laboratory, 2:00 to 5:00 Tuesday and Thursday. Prerequisite, Freshman Mathematics.

*s25. GENERAL PHYSICS. PART II. Credit, 6 quarter hours.

Second term. Mr. Barr and Mr. Williams. Laboratory fee, $4.00. Hours: Lectures, 8:00 to 10:00 daily. Laboratory, 2:00 to 5:00 Tuesday and Thursday. Prerequisite, Freshman Mathematics and Physics s24 or equivalent.

s41. ASTRONOMY. Credit, 5 quarter hours.

First term. Professor Fussler. No laboratory fee. Hours: Lectures, 8:00 to 10:00 daily. Occasional observations with the telescope.

A general course in descriptive and historical astronomy; lectures and recitations, with use of lantern slides, star-maps, telescope, and other instruments. Text: Duncan, *Astronomy*.

Courses for Graduates and Advanced Undergraduates

s101. INTRODUCTION TO MATHEMATICAL PHYSICS. Credit, 5 quarter hours.

Second term. Professor Plyler. Hours: Lectures, 11:00 to 1:00 daily. Prerequisite, Mathematics through Calculus and one of the following: Physics 52, 53, 55, 56.

Mathematical methods for the solution of problems in dynamics, statistical mechanics, and electricity. Text: Page, *Introduction to Theoretical Physics*, or Slater and Frank, *Introduction to Theoretical Physics*.

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* Physics s24 and s25 together are exactly equivalent to Physics 21-22-23 of the regular session.

s110. PHYSICAL MECHANICS. Credit, 5 quarter hours.

First term. Professor Stuhlman. Hours: Lectures, 11:00 to 1:00 daily. Prerequisite, Mathematics through Calculus and one of the following: Physics 52, 53, 54, 56.

Lectures, problems. Text: Lindsay, *Physical Mechanics.*

Courses Primarily for Graduates

s301. RESEARCH. Credit, 5 quarter hours.

First term. Professor Stuhlman. Hours: by arrangement.

Intended for candidates for advanced degrees. Theoretical or experimental work on a subject approved by the Physics staff. A reading knowledge of German is required.

s302. RESEARCH. Credit, 5 quarter hours.

Second term. Professor Plyler. Hours: by arrangement.

(See description for s301.)

**POLITICAL SCIENCE

Course for Undergraduates

s51. THE GOVERNMENT OF THE UNITED STATES. Credit, 5 quarter hours.

First term. Professor Robson. Hours: 9:00 and 11:00 daily.

A general course dealing with national government in the United States.

Courses for Graduates and Advanced Undergraduates

s101. PUBLIC ADMINISTRATION. Credit, 5 quarter hours.

First term. Professor Fesler. Hours: 9:00 to 11:00 daily.

General problems of public administration. Structural organization, personnel, financial planning and control, administrative legislation and adjudication.

s121. GOVERNMENT OF ENGLAND. Credit, 2½ quarter hours.

Second term. Professor Wagstaff. Hour: 9:00 daily.

The development and operation of the English government, in its local, national, and imperial aspects. Some attention to comparisons and contrasts with government in the United States.

s131. AMERICAN STATE GOVERNMENT. Credit, 5 quarter hours.

Second term. Professor Jenkins. Hours: 10:00 to 12:00 daily.

A study of the principles, organization, and administrative methods of state government with special attention to North Carolina.

s133. AMERICAN MUNICIPAL ADMINISTRATION. Credit, 5 quarter hours.

First term. Professor Woodhouse. Hours: 9:00 to 11:00 daily.

Special study of the principles and problems of administration in American municipal corporations, of such functions as police, public education, charities and correction, local improvements, public health, finances, with emphasis on city and town administration in North Carolina.

s141. INTERNATIONAL LAW. Credit, 5 quarter hours.

Second term. Professor Frazer. Hours: 8:00 to 10:00 daily.

A study of the rules observed by the states of the world concerning their relations in peace and war.

** The Department of History and Government has been divided into two separate departments, History and Political Science.

s142. INTERNATIONAL ORGANIZATION AND INSTITUTIONS Credit, 2½ quarter hours.

Second term. Professor Frazer. Hour: 12:00 daily.

A study of important international governmental institutions such as the administrative unions, the League of Nations, and international courts.

s175. POLITICAL PARTIES AND PUBLIC OPINION. Credit, 2½ quarter hours.

First term. Professor Woodhouse. Hour: 8:00 daily.

History, organization, operation, and policies of major and minor parties, with special reference to the relation of party to administration and to current politics in the United States.

s181. GOVERNMENTAL REORGANIZATION IN THE UNITED STATES SINCE 1929. Credit, 2½ quarter hours.

First term. Professor Fesler. Hour: 12:00 daily.

The governmental (particularly administrative) problems faced by the New Deal, and the solutions attempted through the NRA, AAA, RFC, TVA, and similar agencies.

Course Primarily for Graduates

s311. SEMINAR IN AMERICAN POLITICAL THEORY SINCE THE CIVIL WAR. Credit, 2½ or 5 quarter hours.

First and second terms. First term: Professor Robson. Second term: Professor Jenkins. Hours: to be arranged.

PSYCHOLOGY

Courses for Undergraduates

s21. GENERAL PSYCHOLOGY. (First half.) Credit, 6 quarter hours.

First term. Mr. Bayroff. Laboratory fee, $4.00. Hours: 11:00 to 1:00 daily.

The essential phenomena of human nature with emphasis upon the experimental method of approach. Lectures, demonstration, experiments. Identical with the first half of Psychology 21-22-23 as offered during the regular school year. Eight lecture and eight laboratory and demonstration hours a week.

s22. GENERAL PSYCHOLOGY. (Second half.) Credit, 6 quarter hours.

Second term. Mr. DeWick. Laboratory fee, $4.00. Hours: 11:00 to 1:00 daily.

Continuation of Psychology s21, with similar hours, etc.

Courses for Graduates and Advanced Undergraduates

s104a. ADVANCED GENERAL PSYCHOLOGY. (First half.) Credit, 2½ quarter hours.

First term. Professor Crane. Hour: 9:00 daily.

A systematic but critical survey of the general field, with emphasis upon the very latest research methods and results.

s104b. ADVANCED GENERAL PSYCHOLOGY. (Second half.) Credit, 2½ quarter hours.

Second term. Professor Dashiell. Hour: 9:00 daily.

Continuation of s104a but either course may be taken independently.

s140. PSYCHOLOGY OF PERSONALITY. Credit, 5 quarter hours.

First term. Professor Bagby. Hours: to be arranged.

This course is a consideration of certain of the factors upon which the

quality of human adjustments depend. Emphasis is placed upon emotional reactions as primary sources of motivation and an attempt is made to indicate the most effective methods of training and of retaining the various types of emotional reactions.

s146. ABNORMAL PSYCHOLOGY: PSYCHONEUROSES AND PSYCHOSES. Credit, 5 quarter hours.

First term. Professor Crane. Hours: 10:00 to 12:00 daily. Laboratory fee, $1.00.

A study is made of the more important deviations from the normally reacting and experiencing human organism. Attention is given to the sensory, imaginal, emotional, motor, etc., abnormalities and to the occurrence of these in the various psychoses. Brief surveys are given of the methods of clinical psychology and of psychotherapy.

s190. CONTEMPORARY PSYCHOLOGICAL TENDENCIES. Credit, 5 quarter hours.

Second term. Professor Dashiell. Hours: 10:00 to 12:00 daily.

A systematic survey of the more outstanding modern and contemporary movements in psychology. Historical survey using Murphy's text and Rand's readings, followed by readings in Titchener, James, Watson, Freud, Köhler, Koffka, Spranger, and perhaps others. Required of all prospective candidates for advanced degrees in psychology.

Courses Primarily for Graduates

s202. RESEARCH IN PSYCHOLOGY. Credit, 3 quarter hours.

First term. Professor Crane and Mr. Bayroff. Laboratory fee, $2.00. Hours: to be arranged.

Assistance and advice will be available to students wishing to conduct experimental investigations on individual lines.

s203. RESEARCH IN PSYCHOLOGY. Credit, 3 quarter hours.

Second term. Professor Dashiell and Mr. DeWick. Laboratory fee, $2.00. Hours: to be arranged.

Continuation of s202.

PUBLIC ADMINISTRATION

Courses for Graduates and Advanced Undergraduates

s101. PUBLIC ADMINISTRATION. See Political Science s101.

s160a. INTRODUCTION TO SOCIAL WORK. (Sociology 160.) Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 11:00 daily.

Essentially a professional course in social problems for social workers, with the major emphasis upon methods of treatment. After a brief discussion of the nature, purpose, and scope of social work in general, more detailed consideration will be devoted to methods of care of the aged poor, the destitute and mentally defective, the physically handicapped and diseased.

s164. FAMILY CASE WORK. Credit, 5 quarter hours through both terms.

First term: Mr. Lawrence. Second term: Dr. Jocher. Hour: 8:00 daily.

Discussion of the relation of the individual to the family and the family to the community. The technique of case work and its scientific approach—methods of investigation, interviewing, social evidence, sources, diagnosis, treatment.

s166a. RESOURCES FOR TREATMENT IN CASE WORK. Credit, 2½ quarter hours.

Second term. Mr. Lawrence. Hour: 10:00 daily.

Discussion of resources for treatment in case work with especial emphasis upon public welfare activities in rural and small town areas; includes the study of special facilities for the treatment of various types of cases, the particular social legislation involved, plus the actual working procedure necessary for effective work in the field.

s192. CRIME. (Sociology 192.) Credit, 5 quarter hours through both terms.

First term: Professor Brown. Second term: Professor Brearley. Hour: 11:00 daily.

Nature and causes of crime; evolution of modern methods of criminal procedure; administration of penal and reformatory institutions; programs for the social treatment of the criminal; the problems of juvenile delinquency. The class work will be supplementsd by field trips to criminal courts and penal institutions.

s198a. JUVENILE DELINQUENCY. (Sociology 198.) Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 10:00 daily.

This course deals primarily with the diagnosis of juvenile delinquency from the social worker's viewpoint, but should prove of practical value to teachers and others who are called upon to solve the conduct problems of children. In attempting to evaluate the causative factors of delinquency, the contributions of the various social sciences will be considered, with particular emphasis upon the psychological and sociological aspects.

Courses Primarily for Graduates

s266a. PUBLIC WELFARE. Credit, 2½ quarter hours.

First term. Professor Brown. Hour: 10:00 daily.

The organization of public welfare in the United States, with a detailed study of the North Carolina system.

s268a. SOCIAL WORK ADMINISTRATION. Credit, 2½ quarter hours.

Second term. Dr. Jocher. Hour: 12:00 daily.

An analysis of the administration of social agencies, both public and private. Emphasis is placed upon recent trends and developments in this field as indicated by changing terminology and practices; increased expenditures; the new alignment of public and private agencies; advancing professional standards; the growing importance of office organization and management, including personnel, improved techniques and procedures, and the preparation and keeping of records. The administration of agencies in rural areas and in small towns is given special attention. Course is offered to meet the growing demand for trained executives in social work.

ROMANCE LANGUAGES

French

Courses for Undergraduates

*s1. ELEMENTARY COURSE. Credit, 1 unit entrance.

First term. Mr. Carroll. Hours: 8:00 and 12:00 daily.

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* Entrance credit only. The completion of French s1 and s2 prepares the student to take Intermediate French.

*s2. ELEMENTARY COURSE. (Continuation of French 1.) Credit, 1 unit entrance.

Second term. Mr. Creech. Hours: 8:00 and 12:00 daily.

s3. INTERMEDIATE FRENCH. Credit. 5 quarter hours.

First term. Mr. Linker. Hours: 8:00 and 12:00 daily.

s4. INTERMEDIATE FRENCH. (Continuation of French 3.) Credit, 5 quarter hours.

Second term. Mr. Thurman. Hours: 8:00 and 12:00 daily.

NOTE: Credit for the completion of French s3 and French s4 is the same as for French 11-12-13 taken in the regular session.

s21. INTRODUCTION TO FRENCH LITERATURE. Prerequisite, Intermediate French. Credit, 5 quarter hours.

First term. Mr. McLeod. Hours: 9:00 and 11:00 daily.

Introduction to the study of French literature to the end of the 17th century.

s22. MODERN FRENCH LITERATURE. Prerequisite, French 21. Credit, 5 quarter hours.

Second term. Mr. Smith. Hours: 9:00 and 11:00 daily.

A general survey of French literature since the classical period with special stress on the 19th century.

NOTE: Credit for the completion of French s21 and French s22 is the same as for French 21-22-23 taken in the regular session.

s55. REVIEW OF GRAMMAR AND SYNTAX. Credit, 5 quarter hours.

First term. Professor Giduz. Hours: to be announced.

This course is primarily for teachers, and is open to Juniors and Seniors who intend to teach French. It consists of an intensive review study of the elements and fundamentals of French grammar and syntax. Before registering for this course, students must secure the permission of the instructor.

Courses for Graduates and Advanced Undergraduates

s132. THE FRENCH DRAMA SINCE 1700. Prerequisite, French 23. Credit, 5 quarter hours.

Through both terms. First term: Professor Huse. Second term: Professor Wiley. Hour: 11:00 daily.

s145. FRENCH PHONETICS. Prerequisite, French 23. Credit, 5 quarter hours.

Second term. Professor Wiley. Hours: 9:00 to 11:00 daily.

s181. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY. Prerequisite, French 23. Credit, 5 quarter hours.

First term. Professor Huse. Hours: 9:00 to 11:00 daily.

Courses Primarily for Graduates

s221 (or s222). OLD FRENCH. Credit, 5 quarter hours.

Through both terms. Professor Holmes. Hour: 12:00 daily.

s331. HISTORY OF FRENCH LITERATURE PRIOR TO 1300. Credit, 5 quarter hours.

Through both terms. Professor Holmes. Hour: 2:00 daily.

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* Entrance credit only. The completion of French s1 and s2 prepares the student to take Intermediate French.

s395. RESEARCH. Credit, 5 quarter hours.

Through both terms. (Research in a special field under the direction of a member of the department.)

Spanish

Courses for Undergraduates

*s1. ELEMENTARY COURSE. Credit, 1 unit entrance.
First term. Mr. McKnight. Hours: 8:00 and 12:00 daily.

*s2. ELEMENTARY COURSE. (Continuation of Spanish 1.) Credit, 1 unit entrance.

Second term. Mr. J. A. Barrett. Hours: 8:00 and 12:00 daily.

s3. INTERMEDIATE SPANISH. Credit, 5 quarter hours.
First term. Mr. Hayes. Hours: 8:00 and 12:00 daily.

s4. INTERMEDIATE SPANISH. (Continuation of Spanish 3.) Credit, 5 quarter hours.

Second term. Mr. L. L. Barrett. Hours: 8:00 and 12:00 daily.

NOTE: Credit for the completion of Spanish s3 and Spanish s4 is the same as for Spanish 11-12-13 taken in the regular college year.

Courses for Graduates and Advanced Undergraduates

s110. THE SPANISH NOVEL, 1605-1898. Credit, 5 quarter hours.

Through both terms. First term: Professor Leavitt. Second term: Professor Stoudemire. Hour: 12:00 daily.

s135. MODERN SPANISH DRAMA. Credit, 5 quarter hours.

Through both terms. First term: Professor Leavitt. Second term: Professor Stoudemire. Hour: 9:00 daily.

Course Primarily for Graduates

s395. RESEARCH. Credit, 5 quarter hours.

Through both terms. (Research in a special field under the direction of a member of the department.)

RURAL-SOCIAL ECONOMICS

Courses for Undergraduates

s51. RURAL ECONOMICS. Credit, 2½ quarter hours.

First term. Professor Hobbs. Hour: 9:00 daily.

A general course in the principles and problems of rural economy, with special attention given to the economics of agriculture in North Carolina and the South.

s53. HISTORY OF AGRICULTURE AND RURAL LIFE. Credit, 2½ quarter hours.

Second term. Professor Hobbs. Hour: 9:00 daily.

This course traces the development of agriculture from its earliest beginnings to the present: earliest begininngs; Greece and Rome; later agriculture in Europe; American agriculture.

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* Entrance credit only. The completion of Spanish s1 and s2 prepares the student to take Intermediate Spanish.

s71. RURAL SOCIOLOGY. Credit, 2½ quarter hours.

First term. Professor Hobbs. Hour: 11:00 daily.

Introduction to rural sociology, with some emphasis on rural social conditions and problems in North Carolina and the South.

Courses for Graduates and Advanced Undergraduates

s101a. NORTH CAROLINA: ECONOMIC AND SOCIAL. Credit, 2½ quarter hours.

First term. Professor Hobbs. Hour: 10:00 daily.

This course is designed to familiarize the student with North Carolina: natural resources, population, agriculture, social conditions, economic conditions, industry, wealth, taxation, education, public health, and public welfare.

s101a. NORTH CAROLINA: ECONOMIC AND SOCIAL. Credit, 2½ quarter hours.

Second term. Professor Hobbs: Hour: 10:00 daily.

Same as above.

s101b. NORTH CAROLINA: ECONOMIC AND SOCIAL. Credit, 2½ quarter hours.

Second term. Professor Hobbs. Hour: 11:00 daily.

This course is the continuation of 101a and may be taken by any student who has previously taken the first half of this course, either in residence or Extension, and by those registered for s101a, second term.

Course Primarily for Graduates

s311. RURAL SOCIOLOGY. Credit, 5 quarter hours.

Reading and Research. Through both terms. Professor Hobbs. Hours: to be arranged.

SOCIOLOGY

Courses for Undergraduates

s41. INTRODUCTION TO SOCIOLOGY. Credit, 5 quarter hours.

Second term. Mr. Moore. Hours: 8:00 and 10:00 daily.

A study of social origins, comtemporary society, geographical, biological, and psychological forces in society, and the elements of social theory.

s42a. SOCIAL PROBLEMS. Credit, 2½ quarter hours.

First term. Professor Meyer. Hour: 8:00 daily.

A general course giving primary emphasis to positive features and secondary consideration to the pathological aspects of society. A study of such questions as race, immigration, the family, and the community.

Courses for Graduates and Advanced Undergraduates

s152ab. SOCIAL THEORY. Credit, 2½ or 5 quarter hours.

Through both terms. Professor Gettys. Hour: 11:00 daily.

A survey of the range of contemporary social theory with preliminary consideration of its historical background. Students in the second term may take s152b without having had s152a.

s155a. SOCIAL PROGRESS AND SOCIAL VALUES. Credit, 2½ quarter hours.

First term. Professor Odum. Hour: 12:00 daily.

Theories and philosophy of social progress—Social trends and social change—Objective measurement of social change—of social progress and

regress—Measurement of social forces—Social achievement as the framework upon which to measure human progress—Application of sociological measures to democracy—to "Americanism."

s161ab. THE FAMILY. Credit, 2½ or 5 quarter hours.

Through both terms. Professor Groves. Hour: 9:00 daily.

The history, purpose and problems of the family with special attention to social conditions influencing family life and efforts for family conservation. Open to both men and women. s161b may be taken by students in the second term without having had s161a.

s168. THE COMMUNITY. Credit, 5 quarter hours.

First term. Professor Brooks. Hours: 8:00 and 10:00 daily.

Emphasis upon social planning in connection with such problems as housing, delinquency areas, slum clearance, and recreation.

s171a. EDUCATIONAL SOCIOLOGY AND THE TEACHING OF SOCIAL SCIENCE. Credit, 2½ quarter hours.

First term. Professors Odum, Trabue, Meyer, Brooks, and visiting Professor Gettys. Hour: 2:00 daily.

A special course for high school and college teachers of the social sciences composed of three parts: (1) lectures on types of teaching methods, texts, field work; (2) coöperation in special courses in government, public administration, economics, and sociology for content; and (3) a two-weeks' Institute on the Teaching of Social Science for a dozen selected heads of departments.

s175a. EXTRA-CURRICULAR ACTIVITIES. Credit, 2½ quarter hours.

First term. Professor Meyer. Hour: 10:00 daily.

Clubs, student participation in school government, physical education, publicity in school publications, commencement, many miscellaneous topics—the assembly, festival days, suggestions to leaders, home room activities, programs, dramatics, point systems, contributions from national agencies interested in extra-curricular activities, theoretical and practical studies of institutions promoting successful programs, bibliographical materials.

Courses Primarily for Graduates

s209a. REGIONAL PROBLEMS AND PLANNING. Credit, 2½ quarter hours.

Second term. Professor Odum. Hours: Mon. and Wed., 3:00-5:00.

The historical and theoretical meaning of regions—Sustentation areas—Geographic and cultural—The Development of regionalism in America—Economic, Industrial, Literary, Geographic, Commercial, Administrative—Sociological significance of regionalism in social analysis—in the fundamentals of democracy—Historical development of social planning—Development of social planning in America—Recent special developments in national and state planning—Societal significance of planning—Special studies of a six-fold division of American regions.

s215ab. SOCIAL DEMOGRAPHY AND ECOLOGY. Credit, 5 quarter hours.

Through both terms. Professor Gettys. Hours: Tues. and Thurs., 3:00-5:00.

The course attempts to synthesize the emerging concepts of culture and the region by depicting the resulting cultural landscapes. The contributions of cultural anthropology, social geography, regional sociology, and human ecology.

ZOÖLOGY

Courses for Undergraduates

s41. FUNDAMENTALS OF ANIMAL BIOLOGY. Credit, 6 quarter hours.

First term. Professor Reynolds and assistant. Laboratory fee, $5.00. Hours: Lectures, 8:00 daily, and Monday, 2:00-4:00. Laboratory, 2:00-4:00 T., W., Th., F.

Principles of Biology; elements of anatomy and physiology of vertebrate animals and studies of tissues, as necessary for an understanding of the organization and functioning of vertebrate animals and especially man.

s42. PRINCIPLES OF ANIMAL BIOLOGY. Credit, 6 quarter hours.

Second term. Professor Churchill and assistant. Laboratory fee: $5.00. Hours: Lectures, 8:00 daily, and Monday, 2:00-4:00. Laboratory, 2:00-4:00 T., W., Th., F.

Basic facts and theories of individual development, heredity and evolution; introduction to structure and classification of invertebrate animals; one or two field trips for observing and collecting animals in nature.

s43. SURVEY IN LOCAL NATURAL HISTORY. Credit, 3 quarter hours.

First term. Professor Dendy. Laboratory fee: $2.50. Twelve hours collecting and laboratory work, weekly. Hours: to be arranged.

Collecting, culturing, quick study of many forms. Especially designed for teachers of Biology to aid them in collecting, keeping and studying animals in the class room. (Students will find boots of rubber or leather and some outing clothing convenient for wear on excursions in the field.)

Course for Graduates and Advanced Undergraduates

s103. COMPARATIVE ANATOMY OF VERTEBRATE ANIMALS. Credit, 5 quarter hours.

Through both terms. First term: Professor Reynolds. Second term: Professor Churchill. Laboratory fee: $7.50. Hours: 2:00-4:00 daily.

Dissection of types especially amphioxus, petromyzon, fish, fowl, rabbit. Laboratory work with occasional lectures. Ten laboratory hours a week, both terms.

PART III—SPECIAL FEATURES

In addition to the courses of instruction announced in Part II of this Bulletin the Summer Session of 1936 will sponsor a general program of entertainment, recreation, lectures, and conferences. These special features can not be announced in complete detail at this time. More specific announcements concerning them will be announced from week to week. Some of these attractions for which preliminary arrangements have been made are as follows:

A program of social activities and week-end dances will be conducted by the Social Committee.

The Department of Music will put on a series of faculty and student recitals.

Carolina Playmakers

The Carolina Playmakers as in previous summers will present a play in their beautiful little Playmakers Theatre on the University campus or in the Forest Theater in Battle Park adjoining the campus. Summer school students interested in dramatics will have an opportunity to take part in this production as actors and also in designing and construction of the scenery, costuming, lighting and make-up of the production. The play to be presented and the dates on which it will be given will be announced later.

Course on Marriage and the Family (July 6-10)

In response to a growing interest in the development of instruction designed to give preparation for marriage, Professor Ernest R. Groves will have charge of a one week's course in the methodology of teaching courses dealing with the problems of marriage and the family. This course is open to men and women who are graduates of colleges or schools of medicine, law, or theology, and who already are giving or are preparing to give courses in marriage and the family. In connection with it a series of evening lectures is being planned to be given by specialists who professionally deal with problems related to marriage. Correspondence regarding it should be addressed to Professor Groves.

Institute on Public Welfare

Among the special features for the Summer School may be listed the summer Institute on Public Welfare under the joint auspices of the State Board of Charities and Public Welfare and the Social Work Division of the University of North Carolina School of Public Administration. This annual institute has been held since 1920 and brings together a large number of social workers, superintendents of public welfare, and visiting specialists.

A one week's Course on Teaching Marriage and the Family is held under the direction of Professor Groves. (See above.) This course enrolls special students from the several states in the region and will bring together a number of leading specialists in the United States.

There will be a special concentration of courses on sociology and education, with some special institutes on the teaching of sociology in the Southeast.

State Conference on Adult Education

The Extension Division and the Summer Session of The University of North Carolina will conduct at Chapel Hill on July 15 and 16 the third State Conference on Adult Education. Representatives of agencies engaged in educational activities for adults are invited to attend.

Fine Arts

The University of North Carolina has been experimenting for three years with instruction in painting and drawing. A resident teacher, visiting lecturers, and exhibits in the field of Fine Arts have been provided. The University is prepared to continue the same type of instruction in the Summer Session of 1936. Any persons interested in instruction in Fine Arts may secure information by addressing inquiries to the Secretary of the Summer Session, Chapel Hill, N. C.

Art Institute

An Art Institute for teachers and amateur artists will be conducted by the University Extension Division, in coöperation with the State Department of Public Instruction, at Blue Ridge, N. C., August 6 to 8, 1936. Lectures, demonstrations, and special exhibitions will constitute the main part of the program. For information write to Mrs. Corinne McNeir, Field Representative in Art, Chapel Hill, N. C.

Short Course in Nursing Education

In coöperation with the North Carolina State Nurses Association, the Extension Division will conduct a Short Course in Nursing Education for graduate nurses, at Chapel Hill July 27-August 5, 1936. The course will include lectures on both professional and cultural subjects of interest to registered nurses. Inquiries concerning the course should be addressed to R. M. Grumman, Director, University Extension Division, Chapel Hill, N. C.

Ninth Annual Parent-Teacher Institute (August 3-10)

The Extension Division, in coöperation with the North Carolina Congress of Parents and Teachers, will hold at Chapel Hill during the period August 3-10, inclusive, the ninth annual Parent-Teacher

Institute. Summer Session students are invited to attend and may secure information from R. M. Grumman, 307 South Building, Chapel Hill, N. C.

Fifteenth Annual Coaching School For Athletic Directors and Coaches (August 17-29)

The fifteenth annual coaching school for athletic directors and coaches will be conducted at Chapel Hill from August 17 until August 29. Instruction will be given in the coaching of football, basketball, baseball, track, boxing, and wrestling, and in training and conditioning. Robert A. Fetzer, Director of Athletics at the University of North Carolina, will serve as director of the school and the various members of the University's regular coaching staff will serve as instructors. Information concerning the school may be secured from E. R. Rankin, Secretary, 309 South Building.

Conference on Education and Public Relations

During the first term of the Summer Session (June 11-July 22) there will be conducted in Chapel Hill, at dates to be announced later, a conference on Education and Public Relations, similar to the conference held in 1935 on Public Educational Administration. A special announcement will be issued later.

Higher Education

A special course dealing with problems of instruction and administration in higher educational institutions will be conducted during the first term by members of the staff and distinguished visiting lecturers.

Social Activities

The Committee on Social Activities, H. F. Comer, Chairman, is in control of the evening socials in the gymnasium and of all dances given by student groups. It is the policy of the committee to foster the maximum amount of wholesome social life compatible with good scholastic work. In keeping with this policy, the essential regulations are kept down to the minimum number. There will be dancing in the gymnasium regularly, under the management of the social committee, on Friday and Saturday evenings. Inasmuch as there is no appropriation or fee for defraying the expenses of social programs, the dances have to be self-supporting. Therefore, a small door fee is charged of all men at each dance—fifty cents for the two-and-one-half-hour periods.

Permissions for all dances given by students anywhere and at any time must be obtained in advance from the chairman of the Social Activities Committee.

The highest standard of conduct has characterized our social functions in the past and the Summer School insists that this be the case at all times.

The Y. W.-Y. M. C. A.

The Y. W.-Y. M. C. A. is a combined organization of Y. W. C. A. and Y. M. C. A. It has a mixed cabinet of men and women students, about thirty in number, with an employed staff of three secretaries, two women and one man. This Association serves the entire Summer Session, and in campus vernacular is called simply the "Y." It has headquarters in the Y. M. C. A. building which is located in the heart of the campus. The location of the building typifies the place the Association fills in the life of the community, for it is truly the center of campus activities.

The principal points of the "Y's" program for the summer are the following:

1. Operating the "Y" building, as a Campus Home—or club for all—having lobby; parlor, with piano, etc.; reading room; committee rooms; telephone for local and long distance service; ice water, etc. In the building a host and hostess are always present to receive and serve students and their friends.

2. A distinctive form of campus service is rendered through the "Y" office, in an Information and Lost and Found Bureau. A master directory is kept here, of all students and faculty. Telegrams and long distance calls are handled through this office. Found articles are turned in here and prompt effort is made to locate the owner. Inquiries are also left at the office for lost articles. Any information desired, in fact, may be had here, for if we cannot answer your questions we know who can and will direct you to them.

3. Special attention is given the many visitors who come to the campus throughout the summer. You are invited to instruct your visiting friends to "Report at the 'Y' " and wait in the lounge while we send for you.

4. Religious program is given constant and thorough attention by the "Y" organization during the summer. It coöperates with the five local churches in their efforts for students. It conducts a vesper, or 12-minute prayer service every evening immediately following supper. The "Y" promotes a union church program for the month of August.

5. The Social and Entertainment department is very active all the time. It provides music and general facilities for amusement. There is a public dance every Friday and Saturday evening. This department also conducts picnics, hikes, and various other parties from time to time.

6. A Self-Help Bureau is ever active, assisting any needy students in getting remunerative employment for defraying part of their college expenses.

7. In addition to the above points of program, the "Y" is a general campus and community welfare agency, rendering service wherever

needed. The Association solicits the coöperation of every summer session student. Use it, and work through it!

8. The social program will make frequent use of the handsome Graham Memorial Building this summer.

9. Housing and Rooming Bureau.

Student Self-government operates in the summer session under joint men's and women's councils, sponsored by the Social Committee, the Dean of Students, and the Adviser to Women.

Special Announcements in Music

All-State High School Music Course

The Extension Division in coöperation with the Music Department of the University of North Carolina at Chapel Hill will offer during the first term of the summer session, from June 11th to July 22nd, an All-State High School Music course which will be open to all high school band and orchestra players.

In addition to daily rehearsals of the All-State High School Band and Orchestra, students will be enrolled in music theory and appreciation classes and will also receive individual lessons and training in ensemble. Concerts, recitals, sports, and social recreation complete the list of activities which are planned and supervised by a competent and experienced staff.

Enrollment is open to any high school student or graduate of the current year upon recommendation of his school superintendent and music supervisor. Membership is not contingent upon participation in music contests, although special attainments in any field are taken into account in the selection of members.

The details of the living arrangement and recreational activities will be planned and supervised by the Dean of Students, the Adviser to Women, the University Y. M. C. A., and the Department of Physical Education. The cost of the complete All-State Music Course has been reduced to the absolute minimum and a single fee of fifty dollars ($50.00) covers board, room, and tuition for the six weeks course.

Courses will be offered for music supervisors and teachers having to do with the organization and direction of high school bands and orchestras. See especially the courses Music s4, s14, s71, sF, and Education s179a. Professor Slocum will be in general charge of the project. The staff will include Dr. Glen Haydon, Head of the Department of Music, U. of N. C.; Christian D. Kutschinski, Director of Music, State College, Raleigh; J. Harris Mitchell, Instrumental Supervisor, Durham Public Schools; Elizabeth Wilson, Violin instructor, State School for the Blind, Raleigh, N. C.; and Herbert Hazelman, Graduate Assistant at the University.

School officials receiving this announcement are invited to recommend several outstanding students in each of the special fields of

band and orchestra for membership in the 1936 All-State High School Music Organization. Recommendations or inquiries should be addressed to the Extension Division, The University of North Carolina, Chapel Hill, N. C.

Summer Session Chorus

A special feature of the second term of the Summer Session will be the chorus which will meet daily at 5:00 P. M. for an hour of informal singing under the leadership of Clyde Keutzer, well-known choral director of New York City.

Organ and Vocal Recitals

During the second term there will be a series of organ recitals by Professor Jan Philip Schinhan and vocal recitals by Mr. Clyde Keutzer.

Course in Hand Puppetry

During the first term a practical course in hand puppetry will be conducted by Miss Catherine McAndrews, an A.B. graduate of Vassar College and a graduate of the Vassar Experimental Theatre. Hand puppets as tools in health education and in classroom and community projects. This course will be shaped as far as possible by the individual problems of the students. The class will make simple hand puppets, learn to manipulate them, construct a small portable theatre, and write puppet plays. Methods which young school children can follow will be included. The course will consist of two hours of laboratory work five days a week and will carry regular credit of 2 semester hours on a teaching certificate.

UNIVERSITY HIGH SCHOOL

During the first term of the Summer Session of 1936 (June 11 to July 22) the University will provide in Chapel Hill some high school courses for those who are deficient in preparation for admission to college or who desire a better preparation for college admission. The high school courses which are to be offered are listed below.

No student will be allowed to take more than two courses. The fee for each course will be $12.00. Board and room can be obtained in Chapel Hill at reasonable rates. Students whose applications for admission to the University have been accepted may live in the University Residence Halls and may register in the University. For those students who have not completed their requirements there are no charges except the course fee.

For further information write to the Secretary, The Summer Session, Chapel Hill, N. C.

Mathematics A. HIGH SCHOOL ALGEBRA. One entrance unit. Two hours daily.

Mathematics B. PLANE GEOMETRY. One entrance unit. Two hours daily.

French 1. ELEMENTARY FRENCH. One entrance unit. Two hours daily. See French Department in this Bulletin.

*French 2. SECOND YEAR FRENCH. One entrance unit. Two hours daily. See French Department in this Bulletin.

Spanish 1. FIRST YEAR SPANISH. One entrance unit. Two hours daily. See Spanish Department in this Bulletin.

*Spanish 2. SECOND YEAR SPANISH. One entrance unit. Two hours daily. See Spanish Department in this Bulletin.

Latin 1. PRIMARY LATIN. One entrance unit. Two hours daily.

Latin 2. CAESAR. One entrance unit. Two hours daily.

German 1. FIRST YEAR GERMAN. One entrance unit. Two hours daily. See German Department in this Bulletin.

*German 2. SECOND YEAR GERMAN. One entrance unit. Two hours daily. See German Department in this Bulletin.

History A. AMERICAN HISTORY. One entrance unit. Two hours daily.

English A. GRAMMAR AND COMPOSITION. One entrance unit. Two hours daily.

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* French 2, Spanish 2, and German 2 are not offered during the first term of the Summer Session. Since these courses are regular offerings of the University Summer Session, students who wish to do so may take these courses during the second term.

New Regulation of the State Department of Education:

At the suggestion of Dr. James E. Hillman, Director, Division of Professional Service, we make the following statement:

"As of July 1, 1939, and thereafter, the Class A Certificate built up from a lower grade certificate will be based upon a satisfactory completion of the requirements for a degree from a standard college, along with, or in addition to, the specific certificate requirements. It is suggested that those teachers in service who may not reasonably be expected to qualify for the Class A Certificate prior to July 1, 1939, arrange their program of studies in coöperation with the institution from which they would like to obtain the degree.

"The above direct authorization has been made by the State Board of Education."

We are carrying this announcement that those teachers who now do not hold Class A Certificates may have their attention called to their situation, and may make every possible effort to secure the desired certificates before this change goes into effect July 1, 1939.

THE WOMAN'S COLLEGE

OF

THE UNIVERSITY OF NORTH CAROLINA

GREENSBORO, N. C.

SUMMER SESSION—JUNE 9-JULY 17

The chief purpose of the Summer Session is to serve students and teachers of North Carolina to the greatest possible extent at the least possible cost.

Distinctive features of the Summer Session at this division of the University are:

1. Courses in elementary and high school education.
2. Full home economics curriculum.
3. New courses in Art.
4. Regular and special courses in Music.
5. Observation and Nursery School.
6. Full social and recreational program under expert leadership.

Courses will be offered for college students who wish to advance their standing or make up work.

Expenses are as follows:

Fees and charges	$20.00
Board, room and laundry	33.00
	$53.00

For further information write:

W. C. JACKSON,
Dean of Administration,
Greensboro, N. C.

NORTH CAROLINA STATE COLLEGE OF AGRICULTURE AND ENGINEERING

OF THE

UNIVERSITY OF NORTH CAROLINA

Raleigh

Summer Session

June 10—July 21, 1936

The twenty-third summer session of North Carolina State College of Agriculture and Engineering of the University of North Carolina will open on Wednesday, June 10, and close on Tuesday, July 21.

Besides the usual basic academic courses the College will offer special instruction in Agriculture, Agricultural Education, Cotton Classing, Engineering, Forestry, Industrial Arts Education, Textiles, Vocational Education and Vocational Guidance.

Expenses

Room Rent (single room)	$10.00
Room Rent (two in a room)	7.50
Board at College Cafeteria (estimated)	30.00
Registration fee	3.00
Course fee (for each quarter hour credit)	3.00

For summer session catalogue and additional information, write:

J. W. Harrelson, *Dean of Administration*
North Carolina State College
Raleigh, N. C.